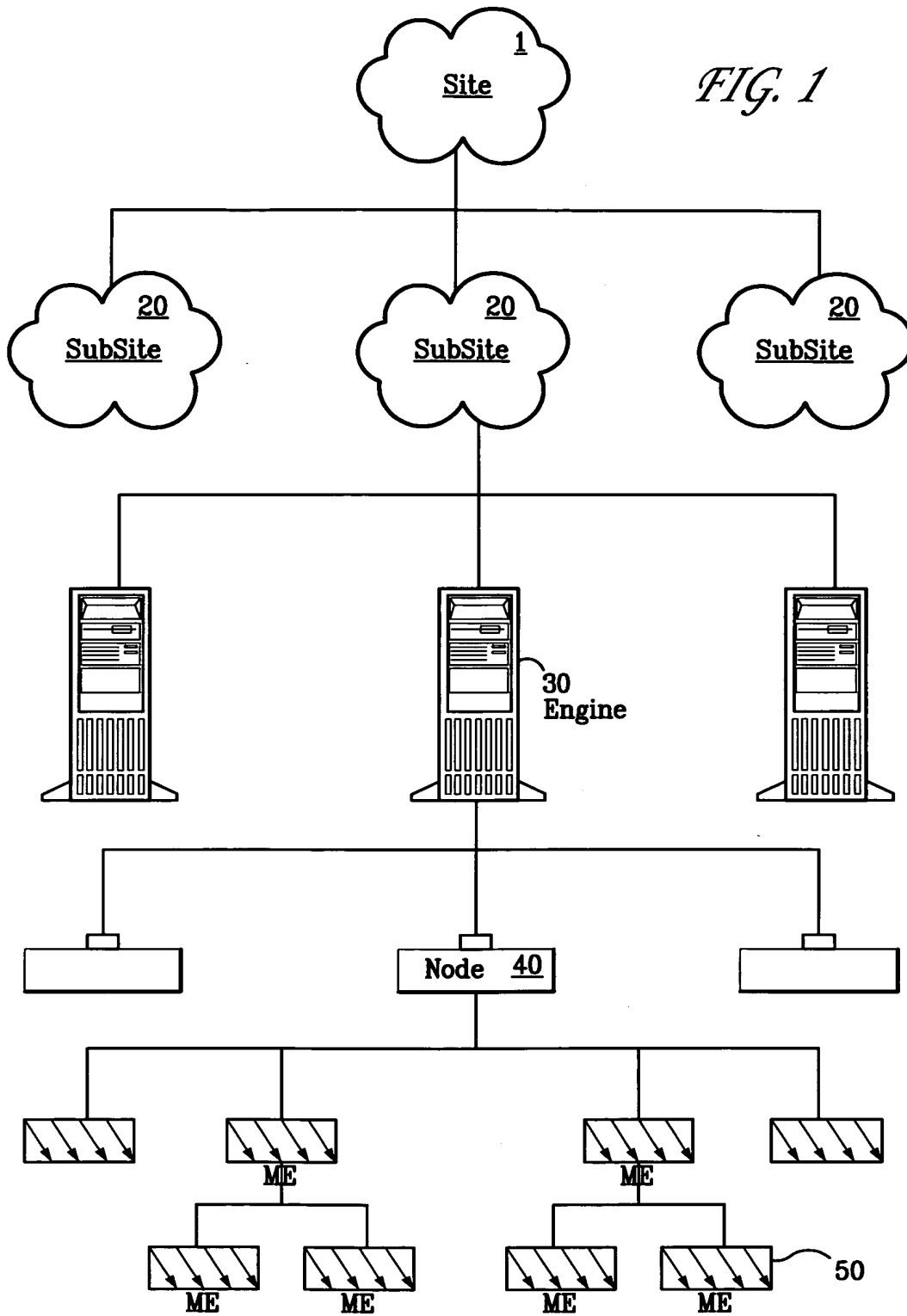


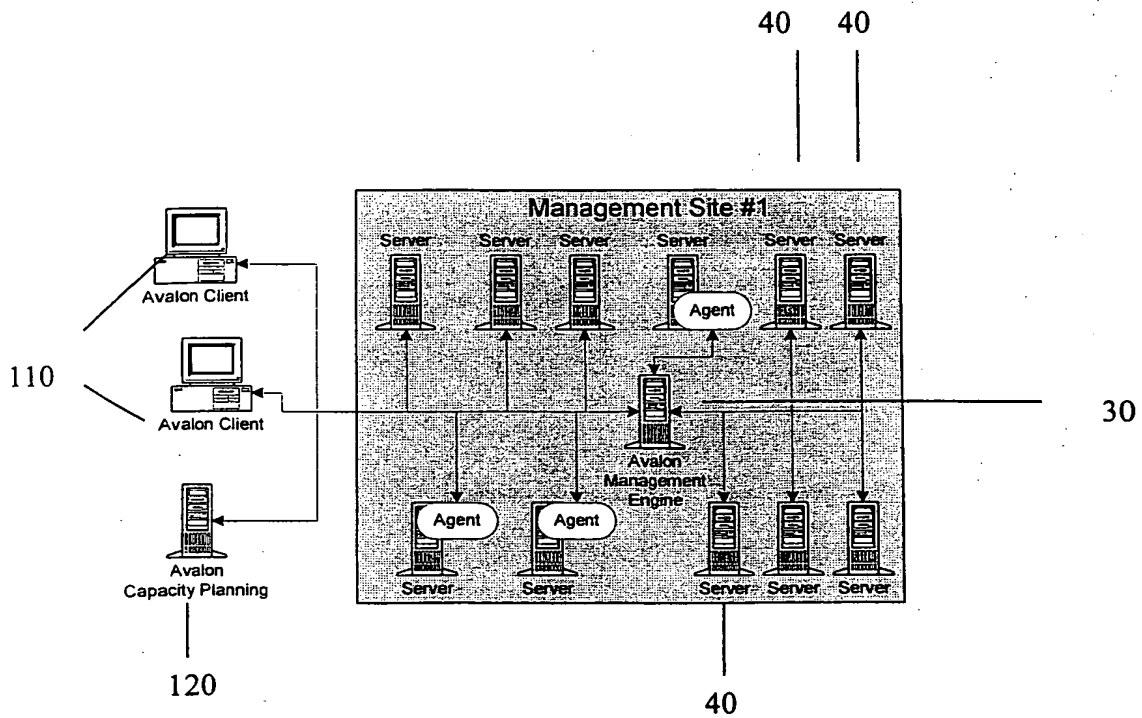


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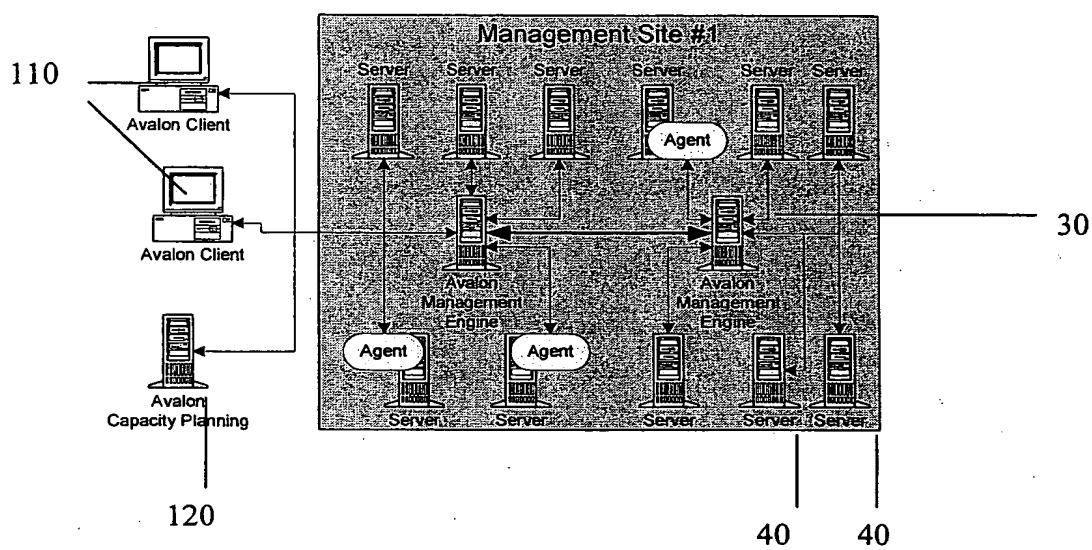


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**FIG. 2**

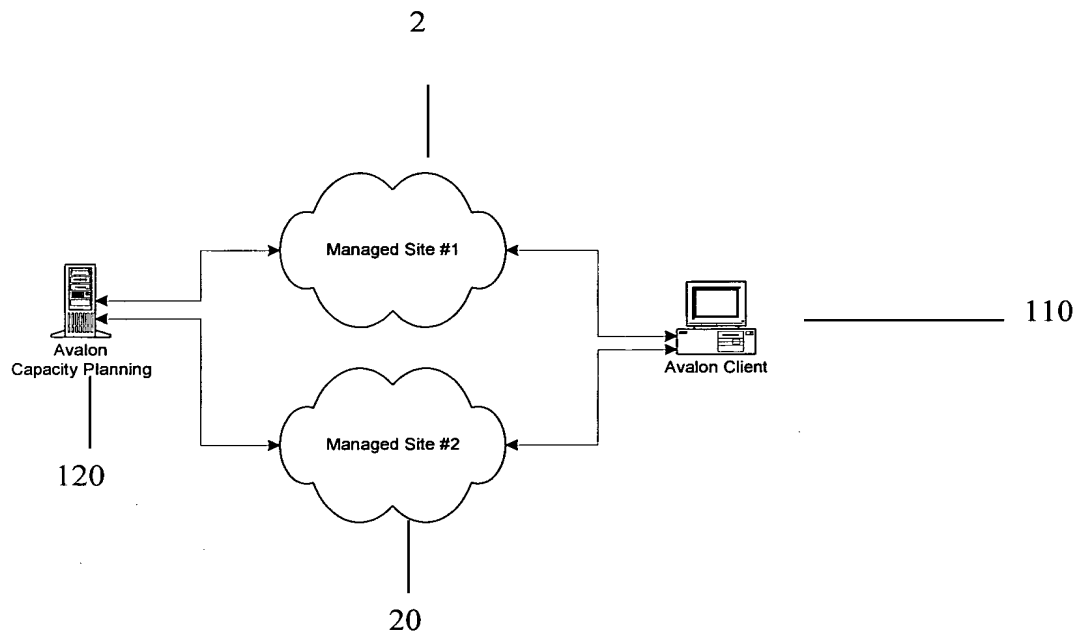


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**FIG. 3**

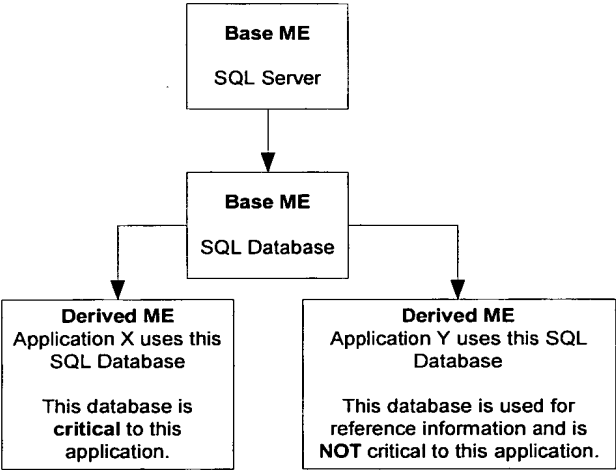


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**FIG. 4**

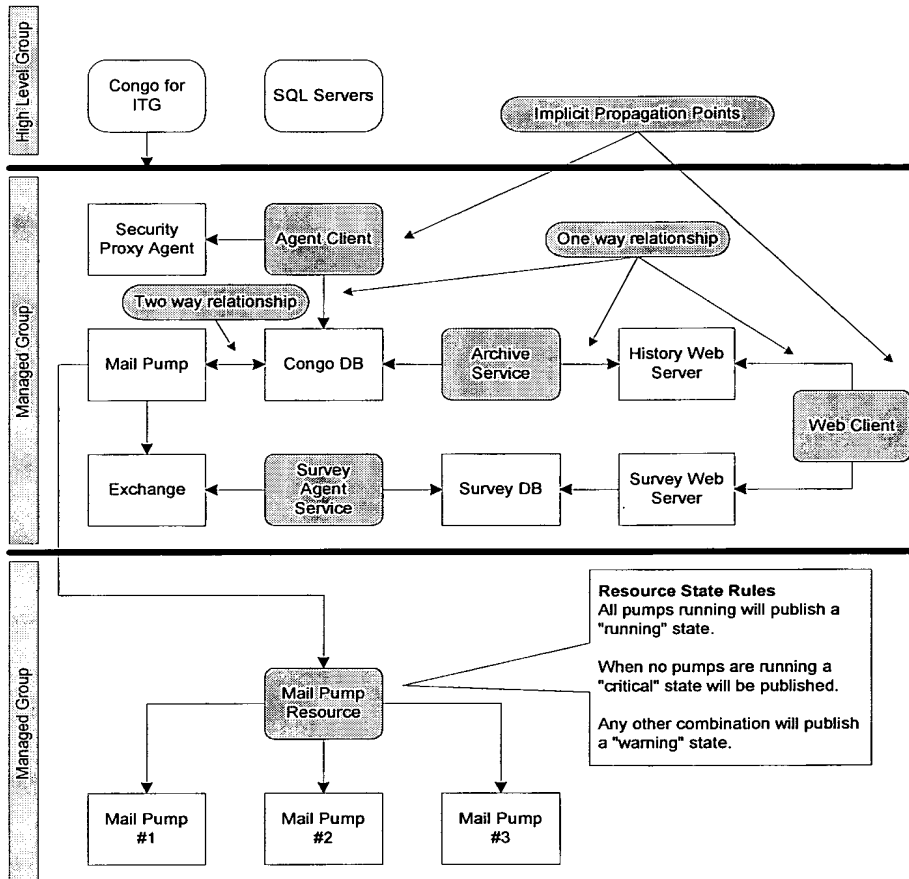


*FIG. 5*



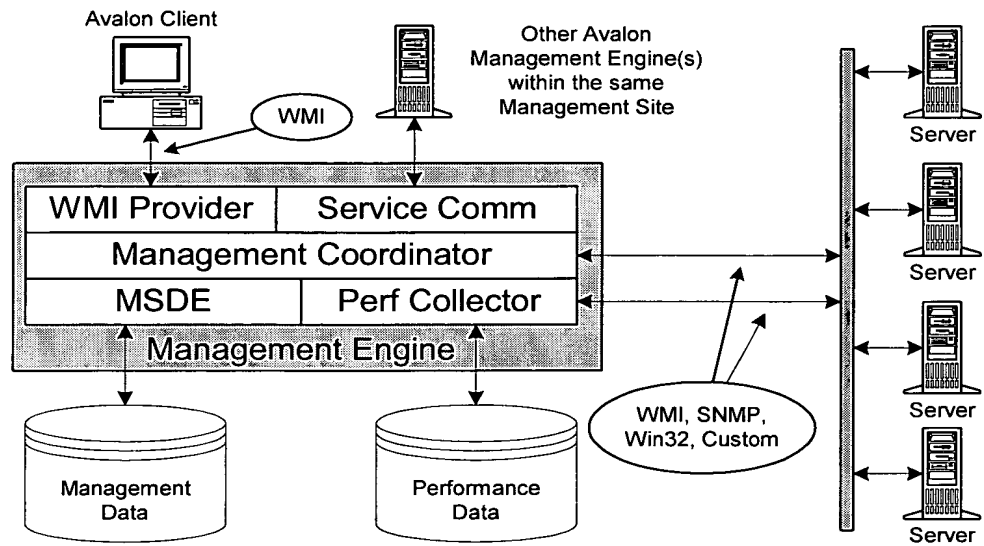
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**FIG 6**

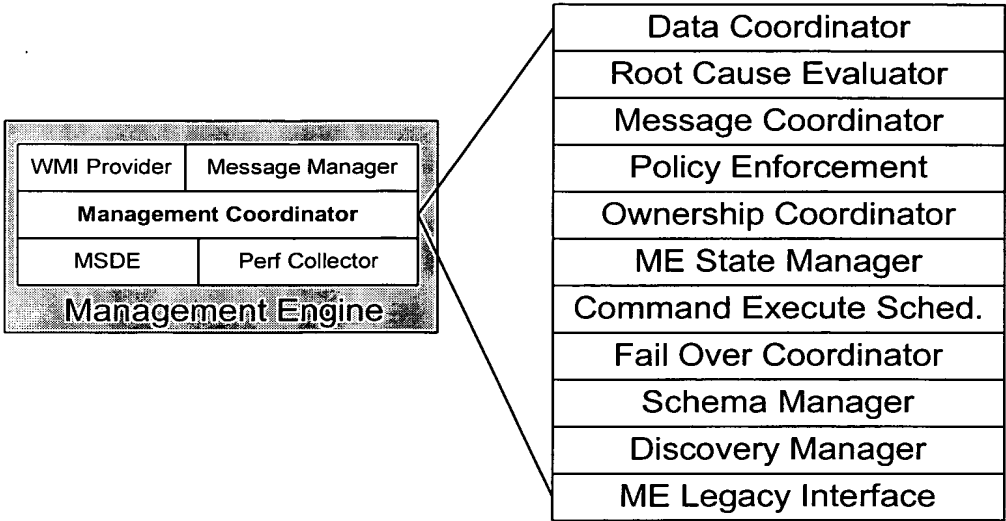


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**FIG. 7**



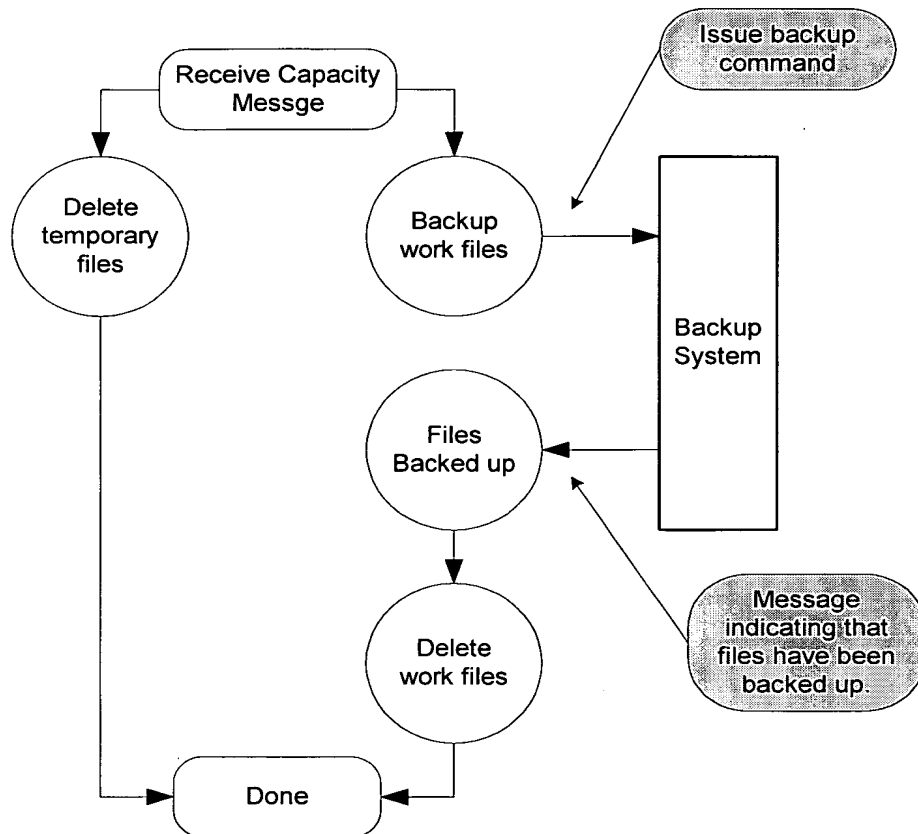
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**FIG. 8**





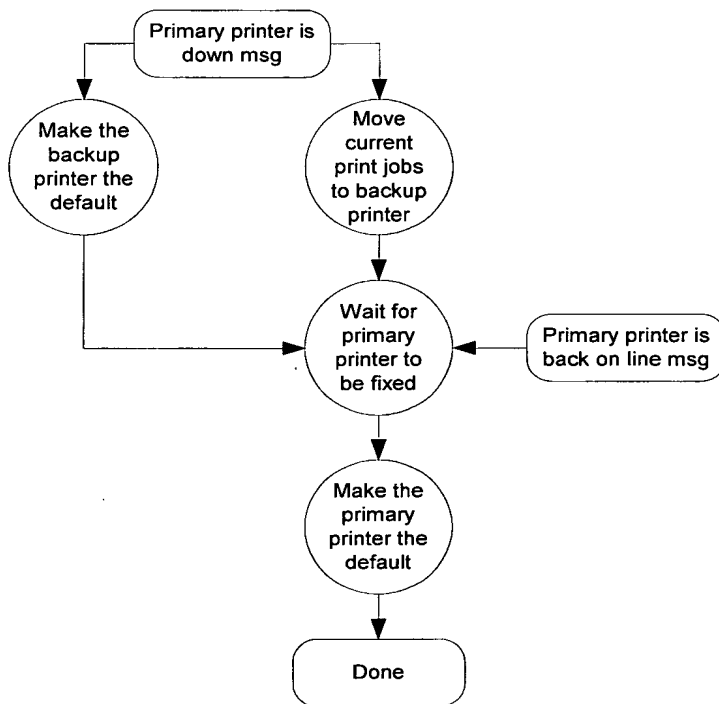
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**FIG. 9**



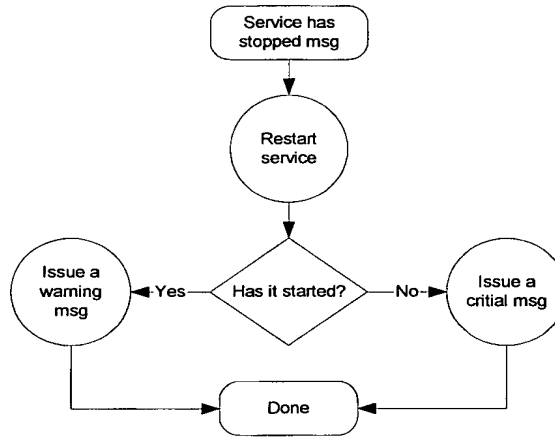
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**FIG. 10**

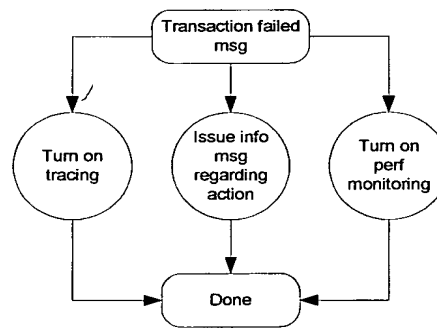


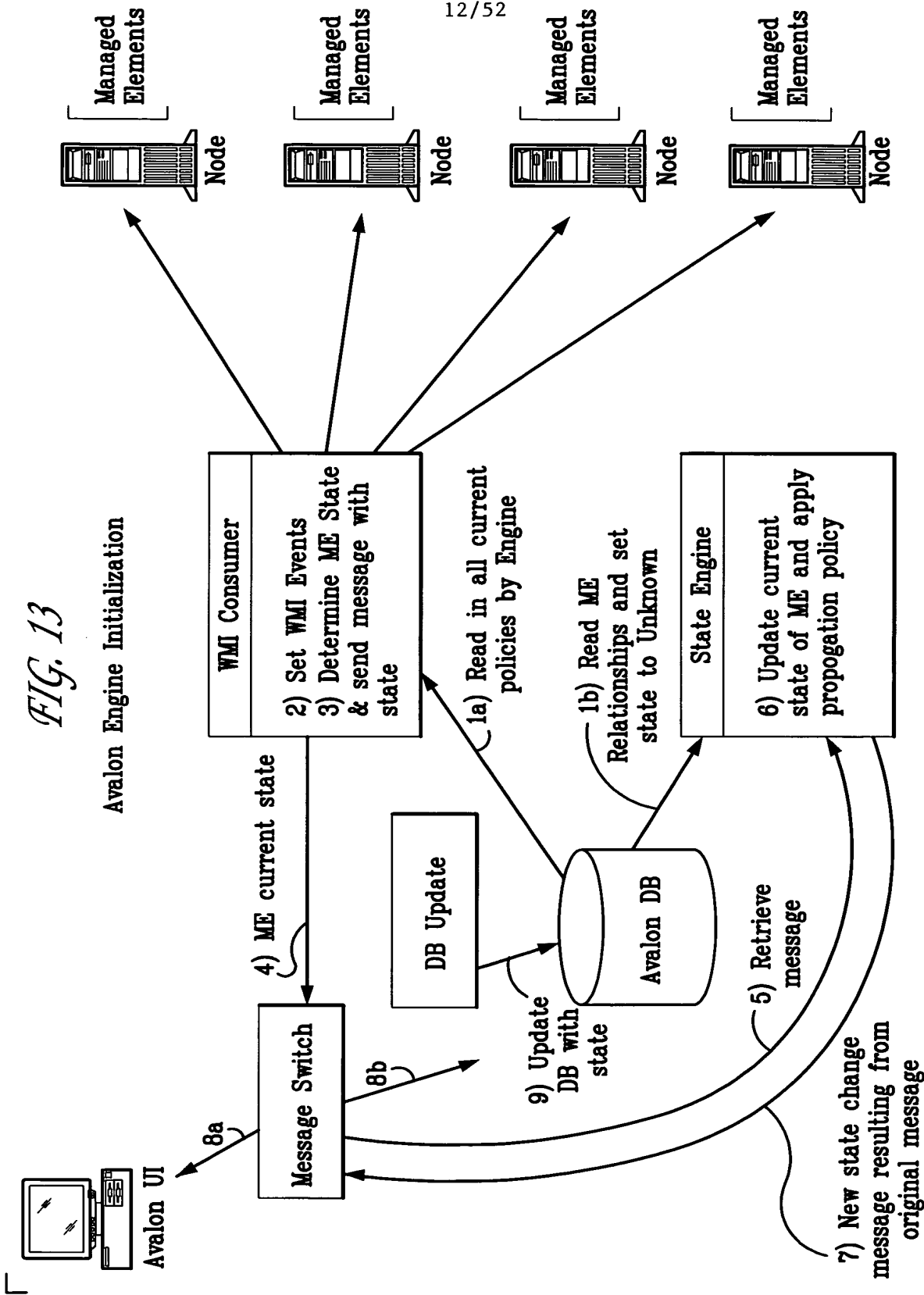
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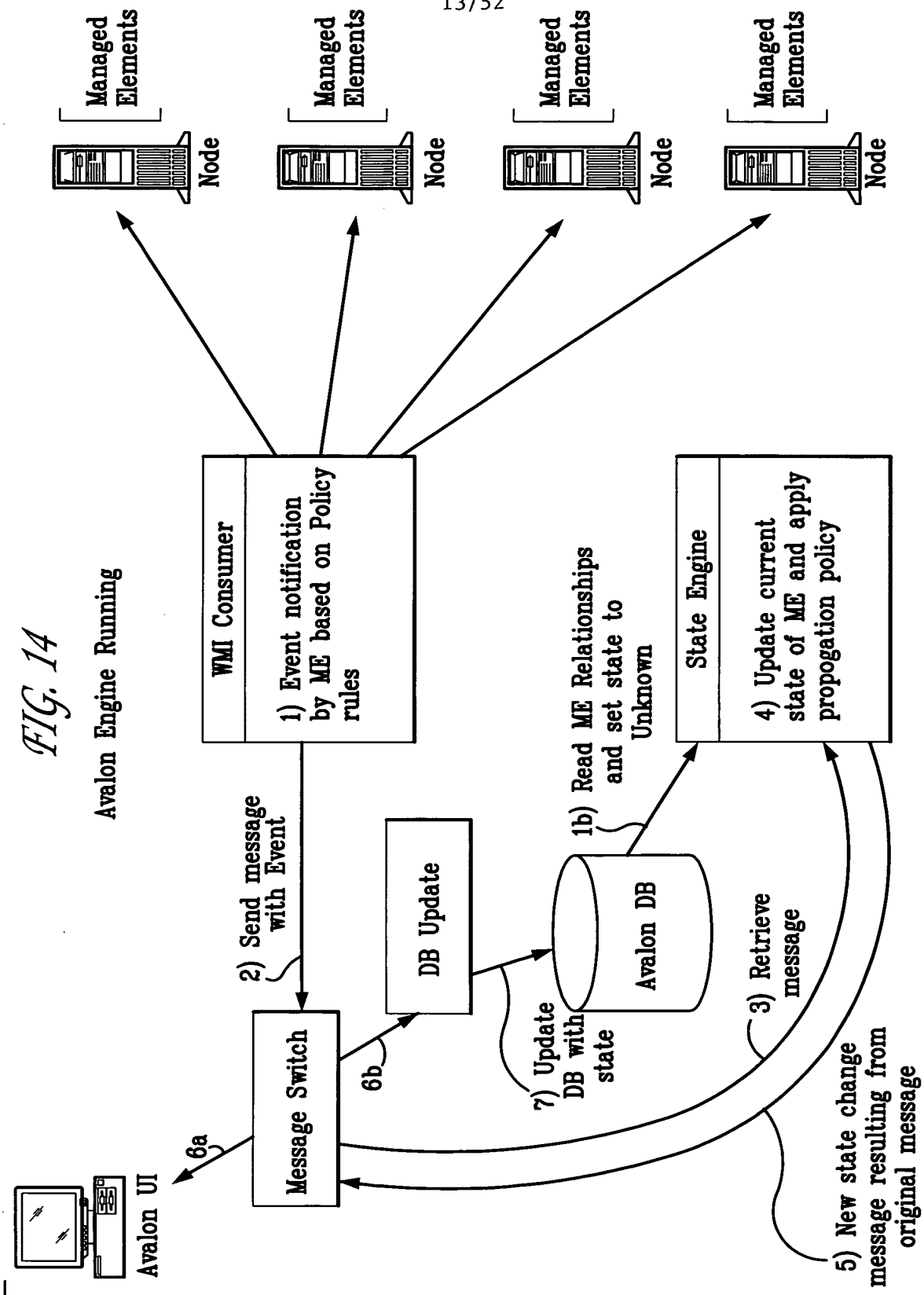
**FIG. 11**



**FIG. 12**

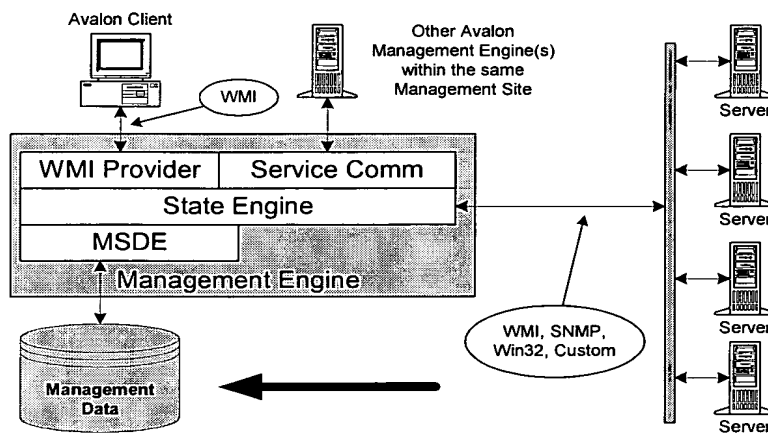






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*FIG. 15*



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*FIG. 16*

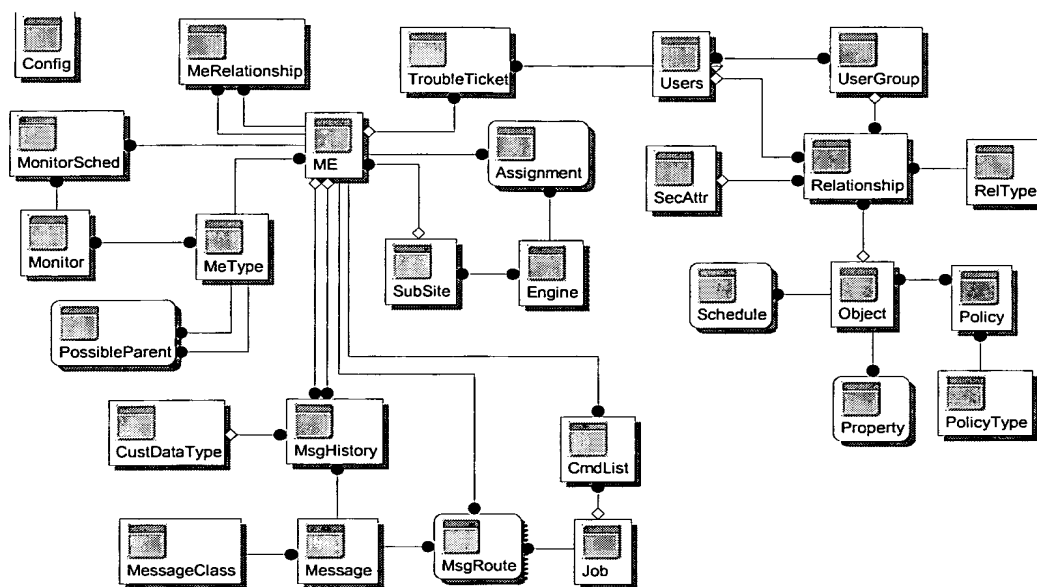


FIG. 17

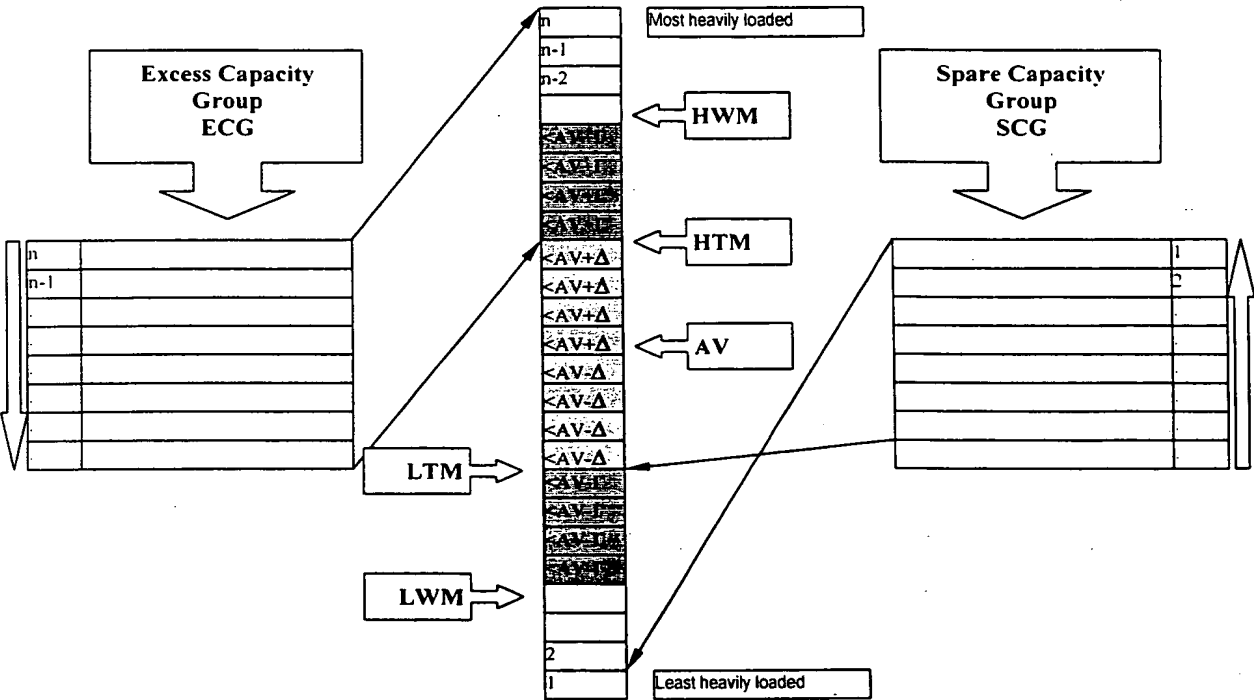
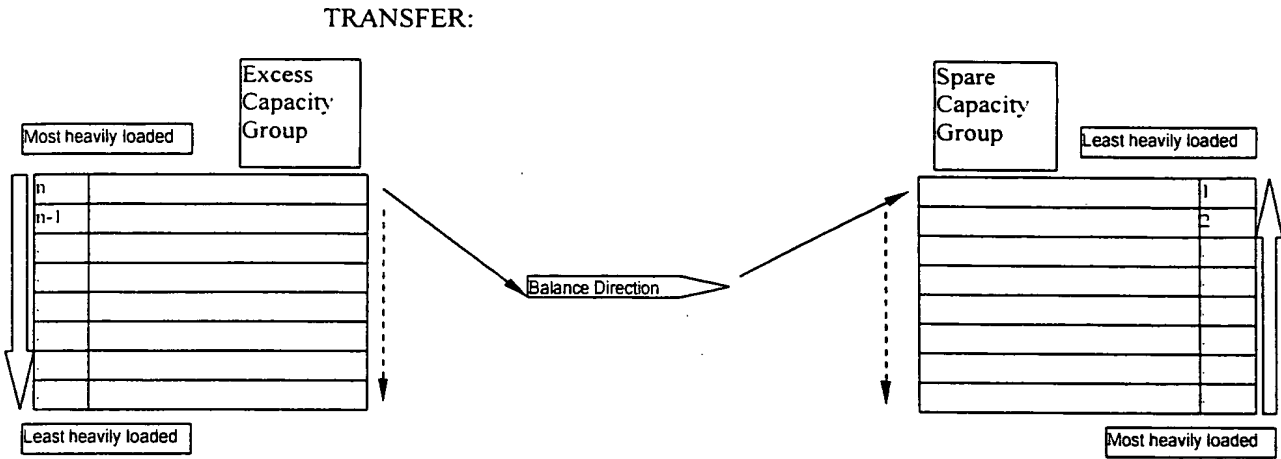




FIG. 18



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**FIG. 19**

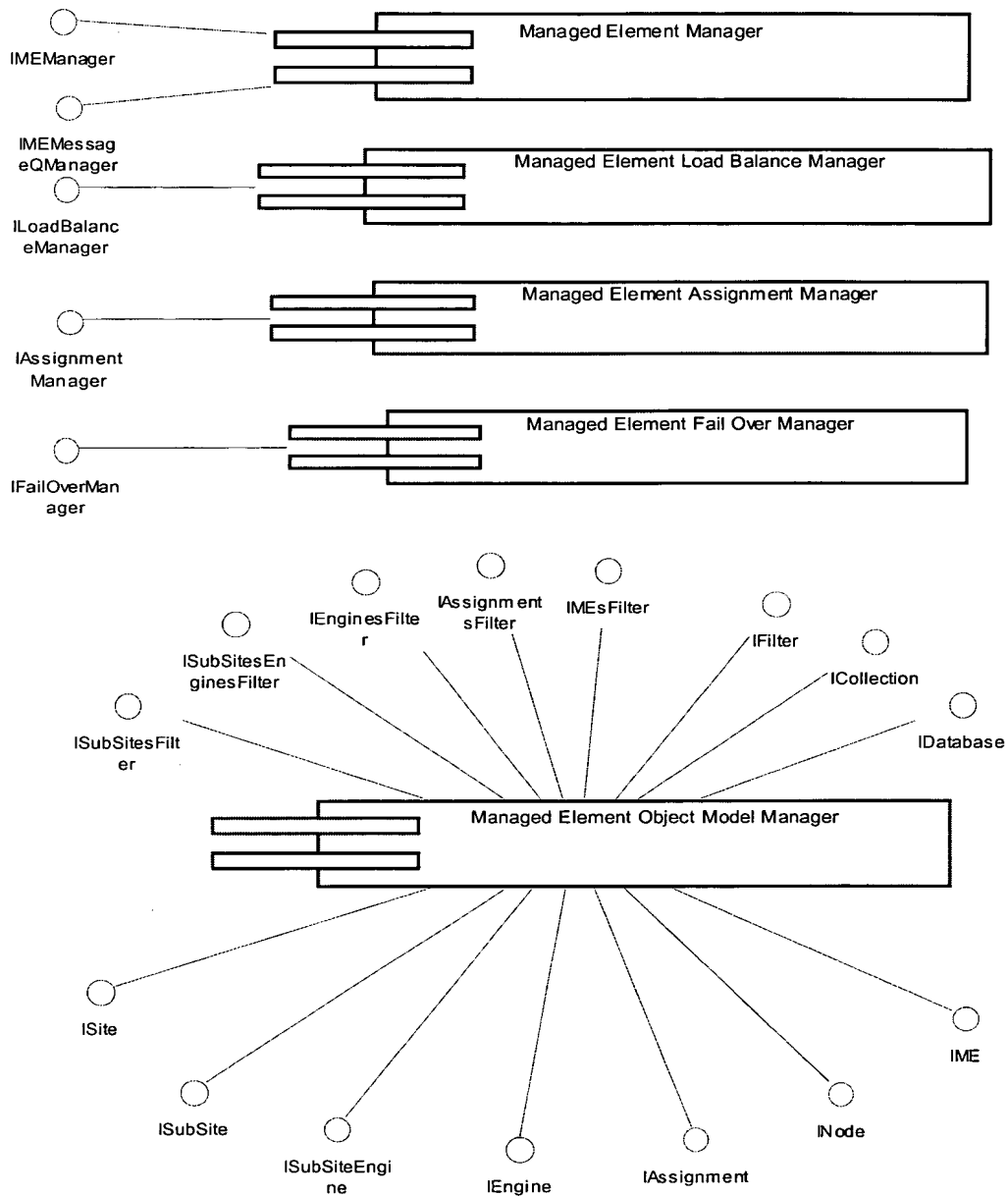


FIG. 20

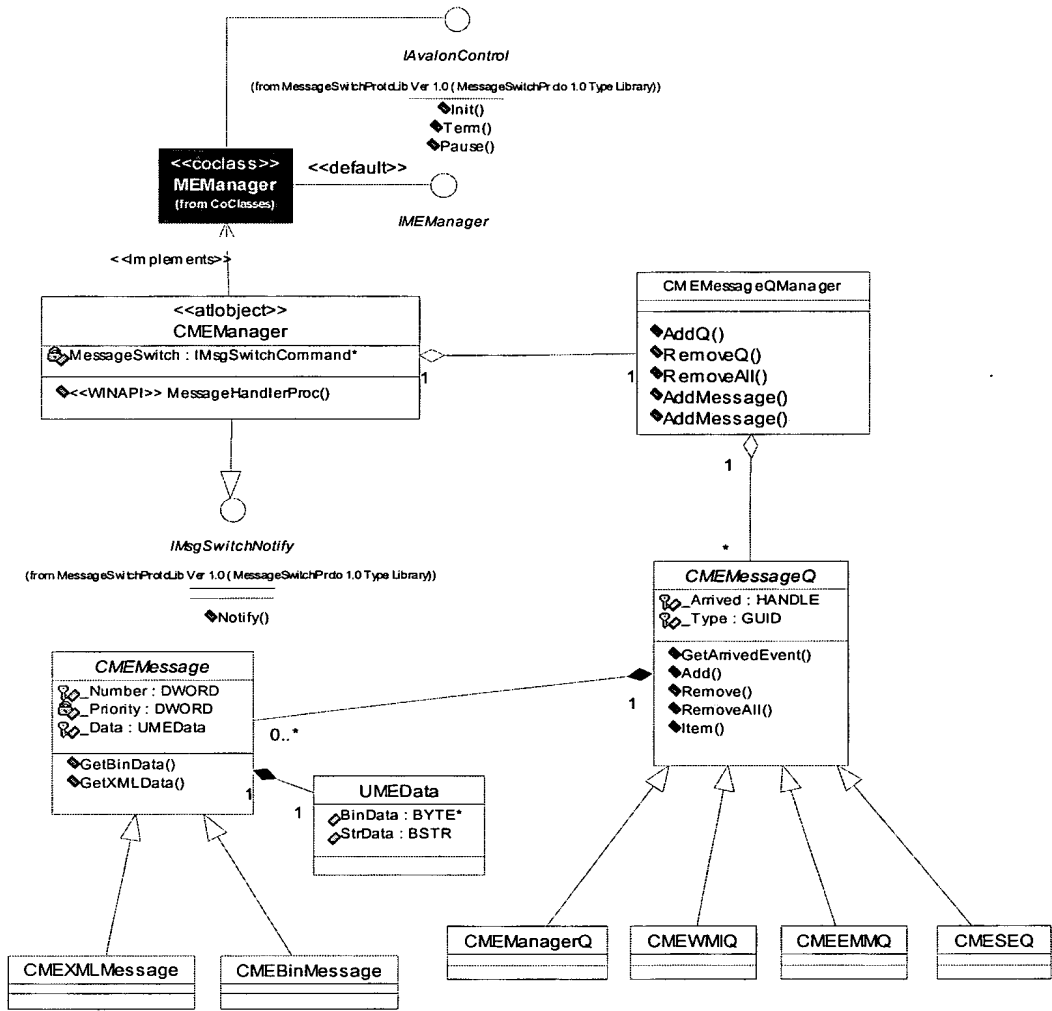


FIG. 21

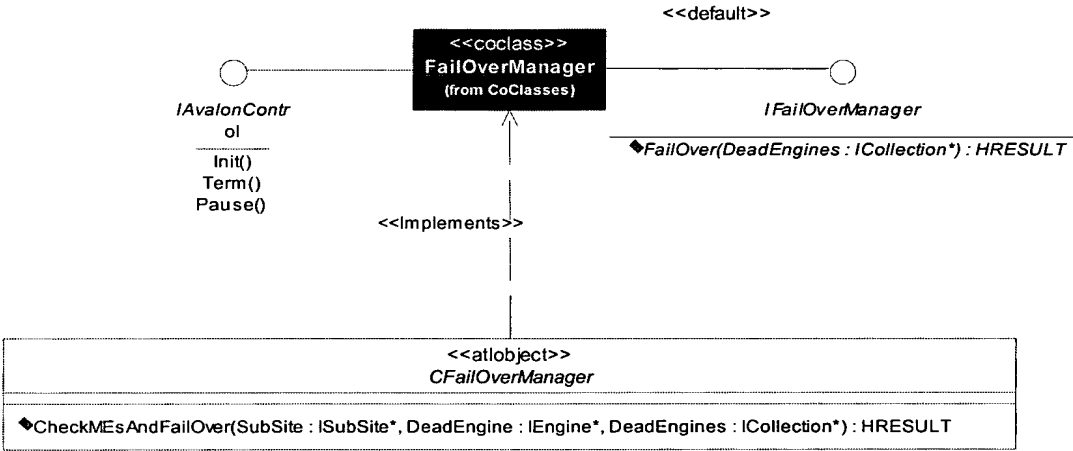


FIG. 22

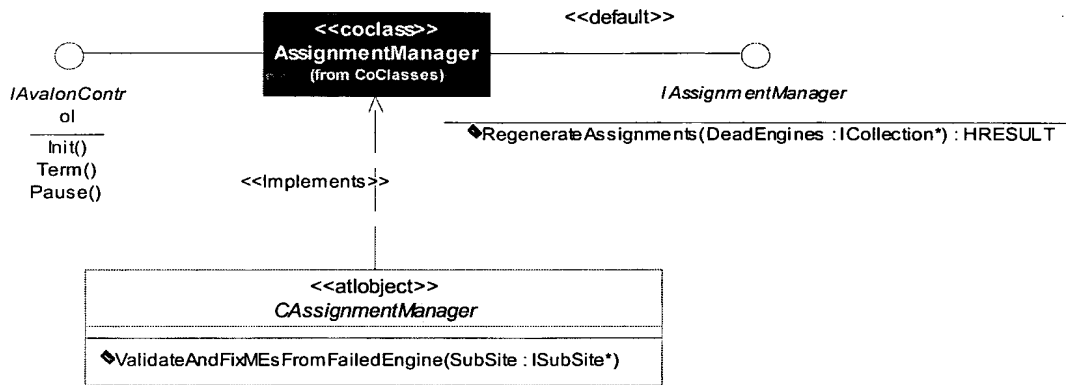
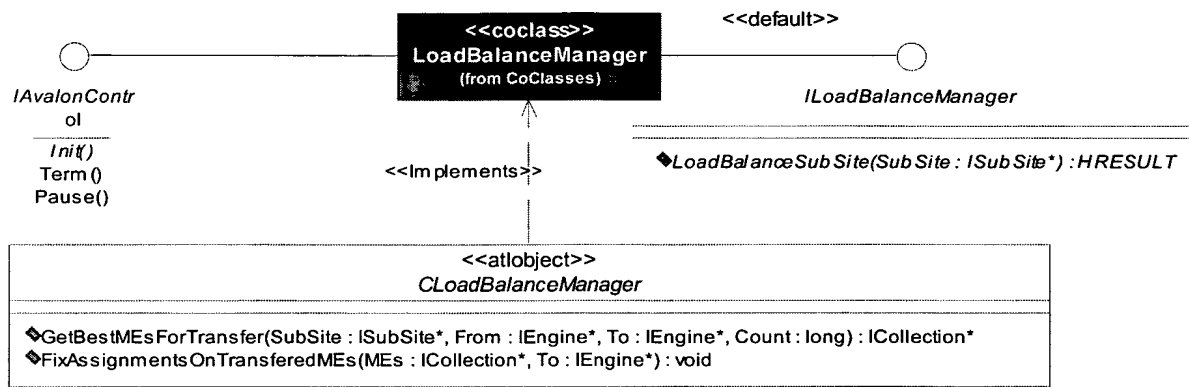
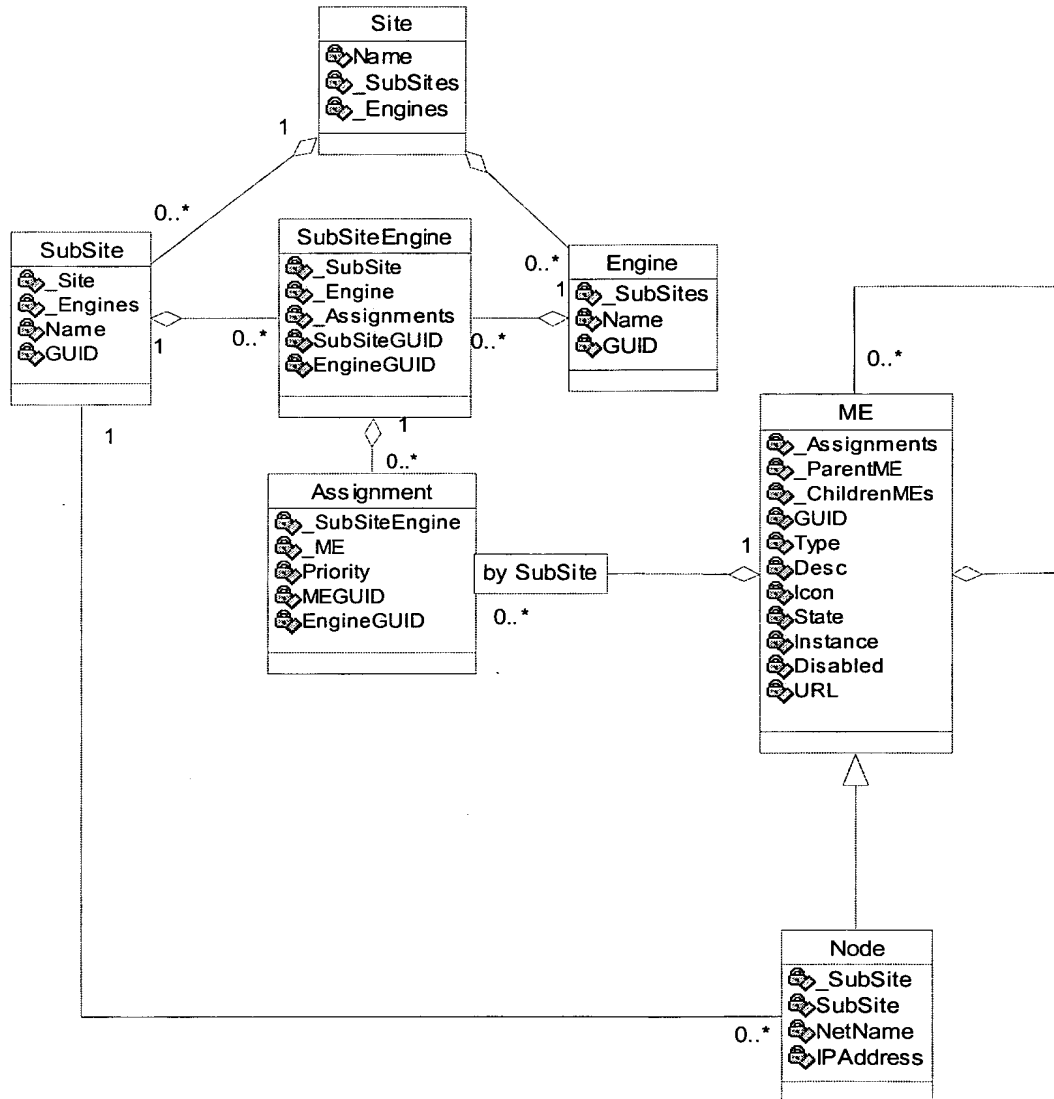


FIG. 23



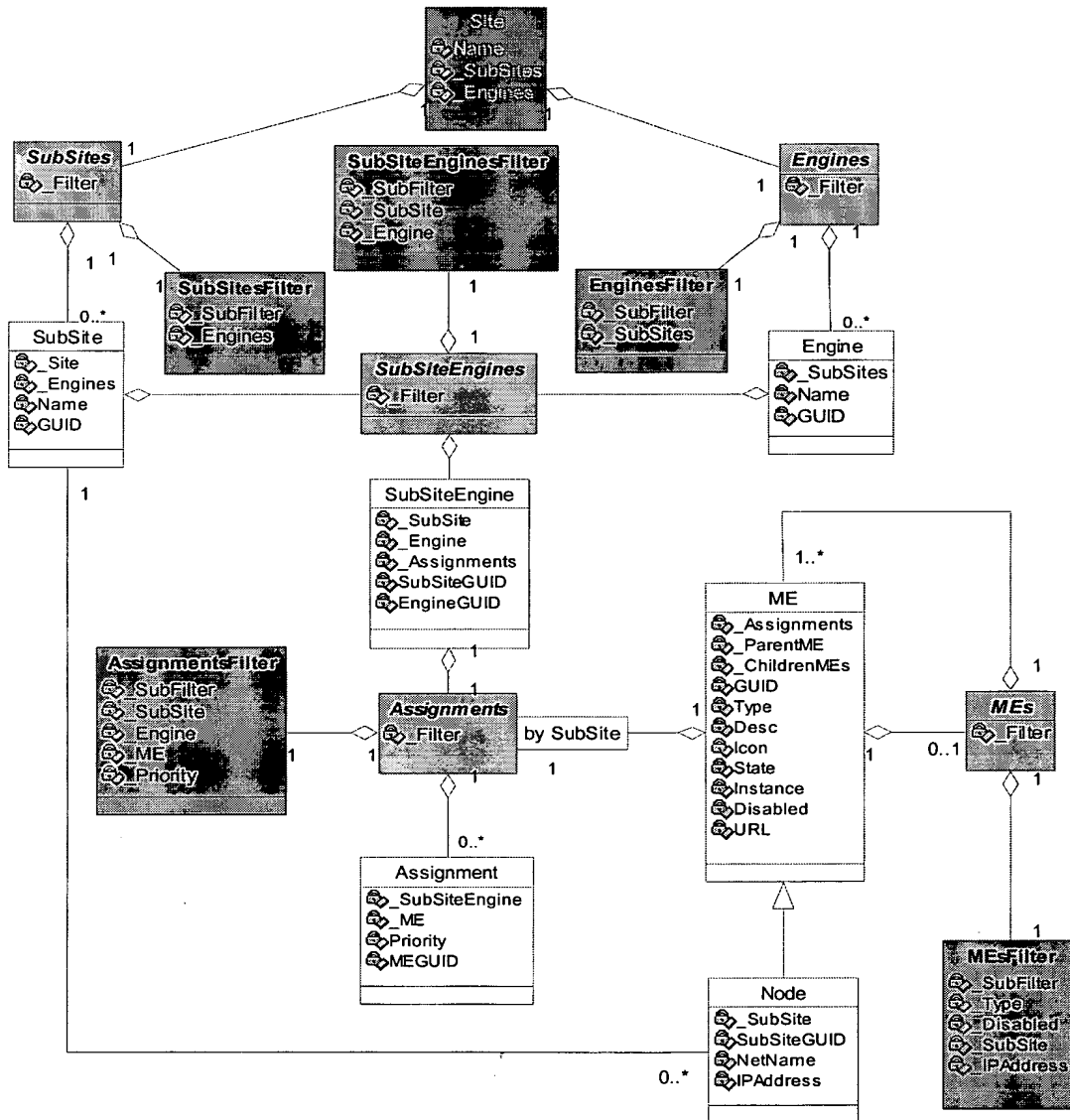
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**FIG. 24**



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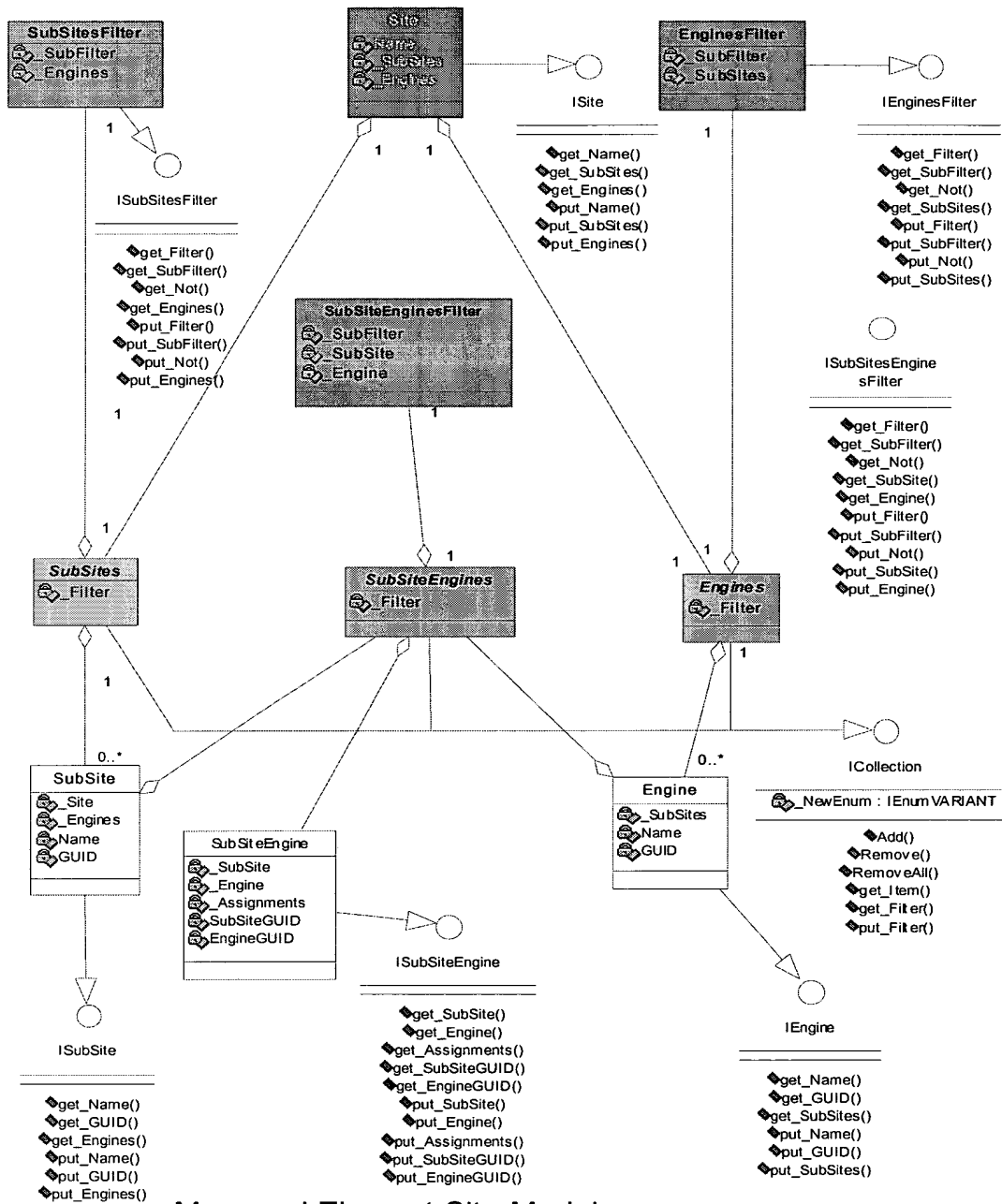
FIG. 25





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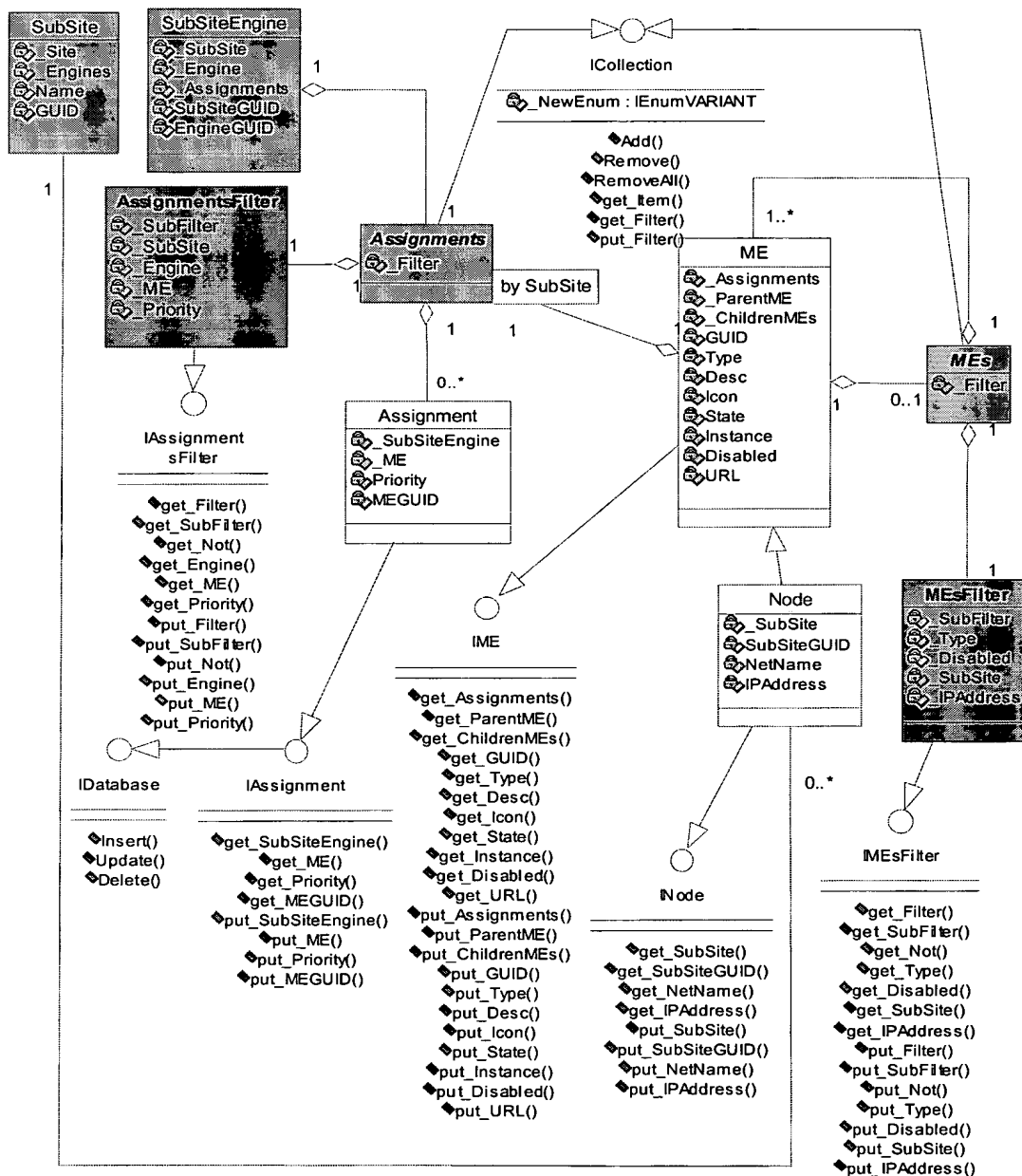
**FIG. 26**



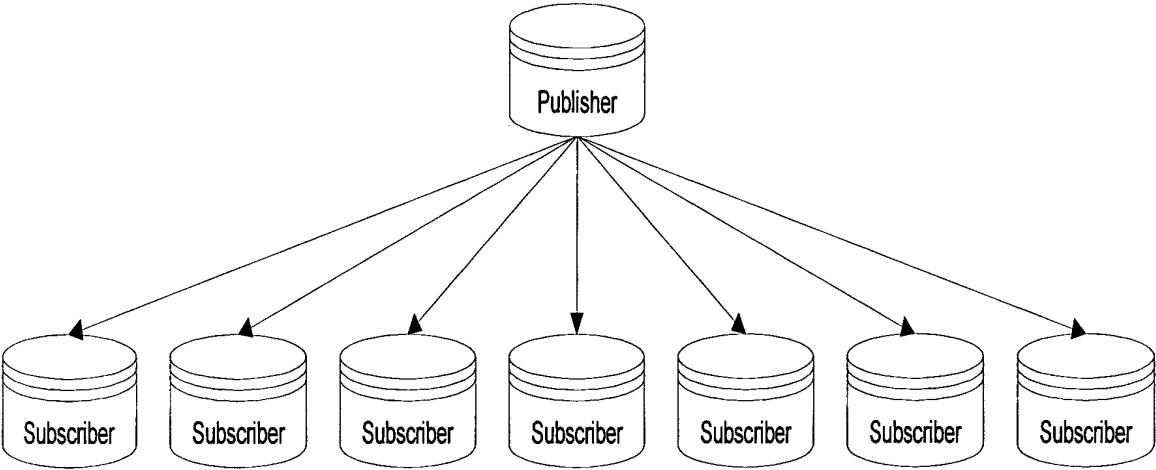
**Managed Element Site Model**

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FIG. 27

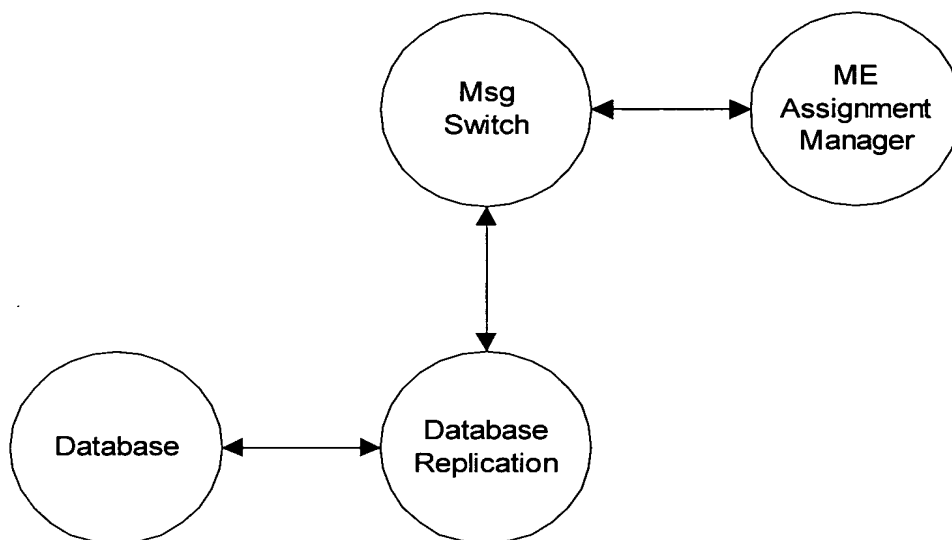


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**FIG. 28**

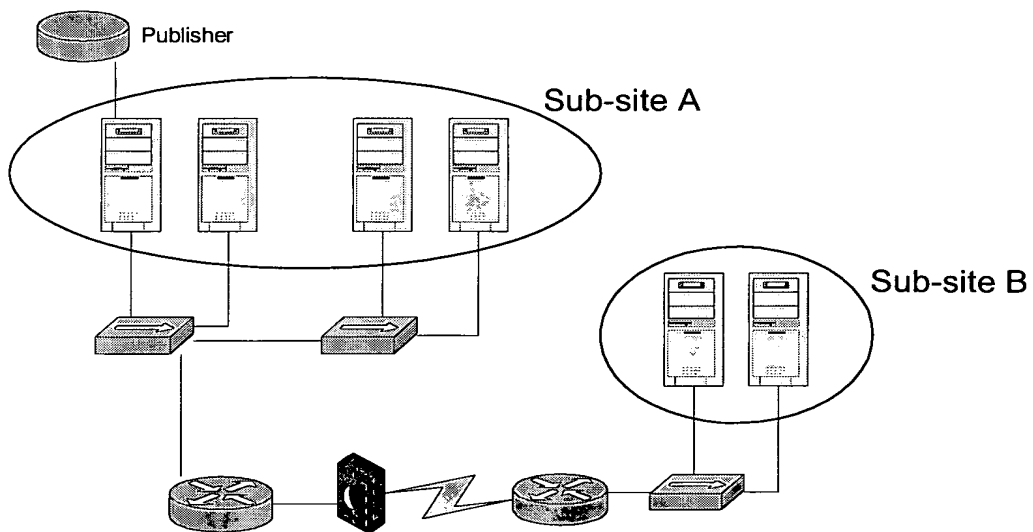


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**FIG. 29**

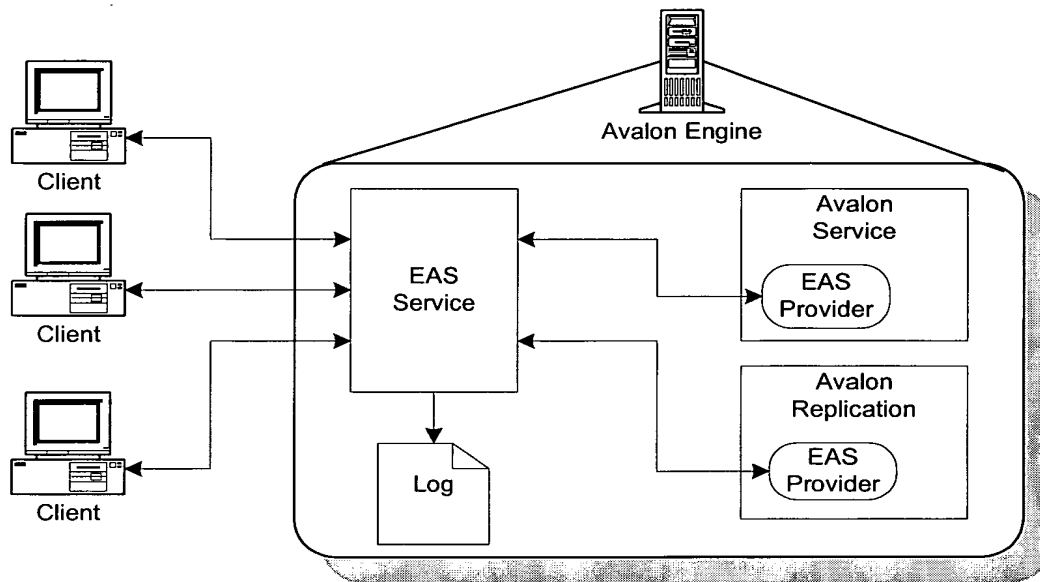


*FIG. 30*

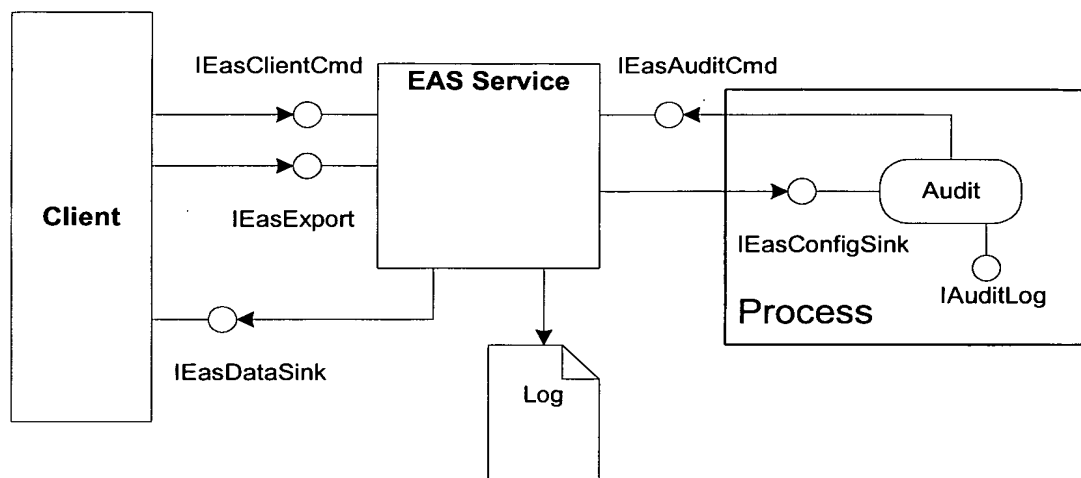


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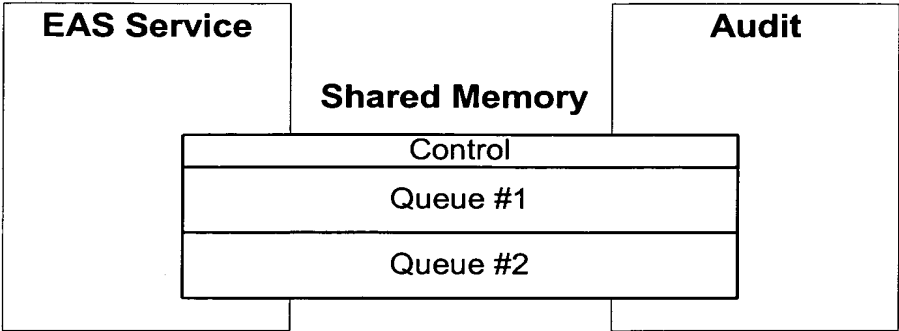
*FIG. 31*



**FIG. 32**



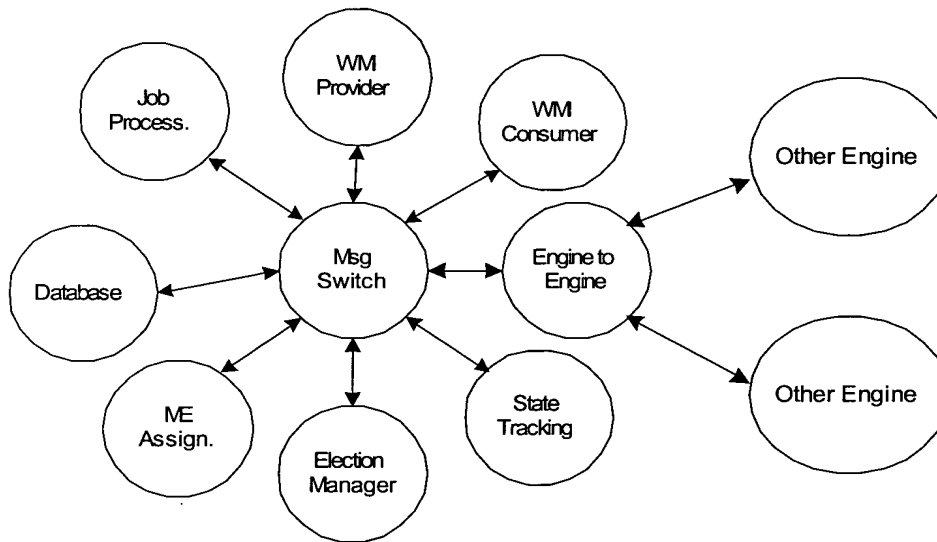
*FIG. 33*





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**FIG. 34**



**FIG. 35**

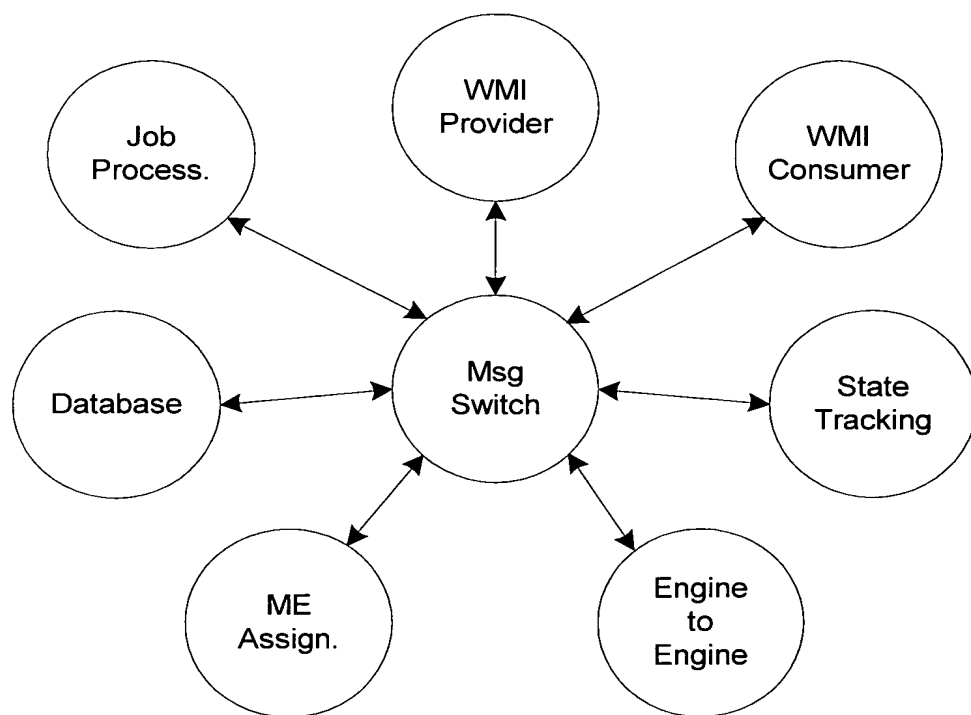
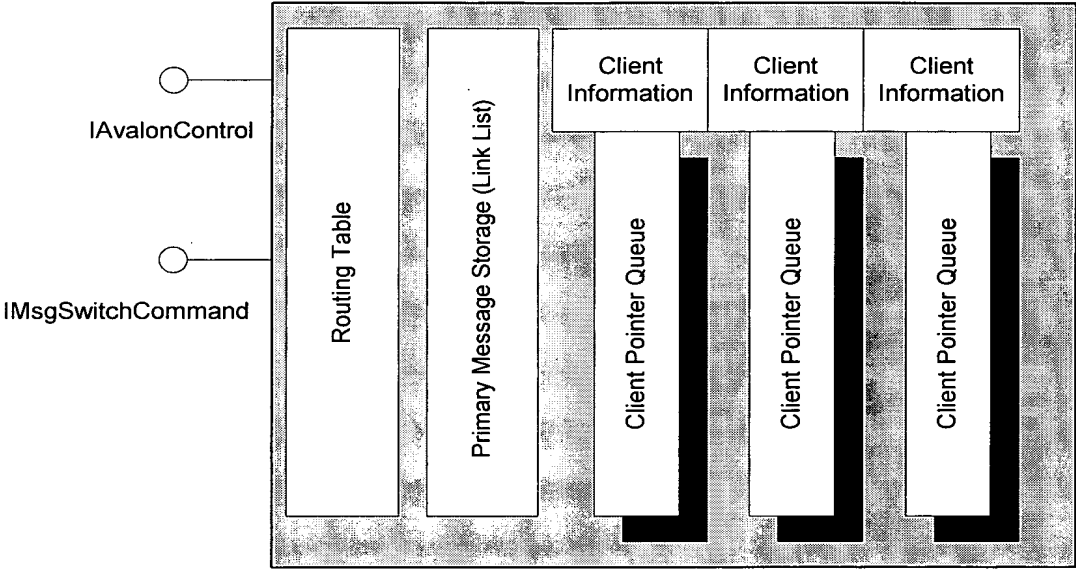
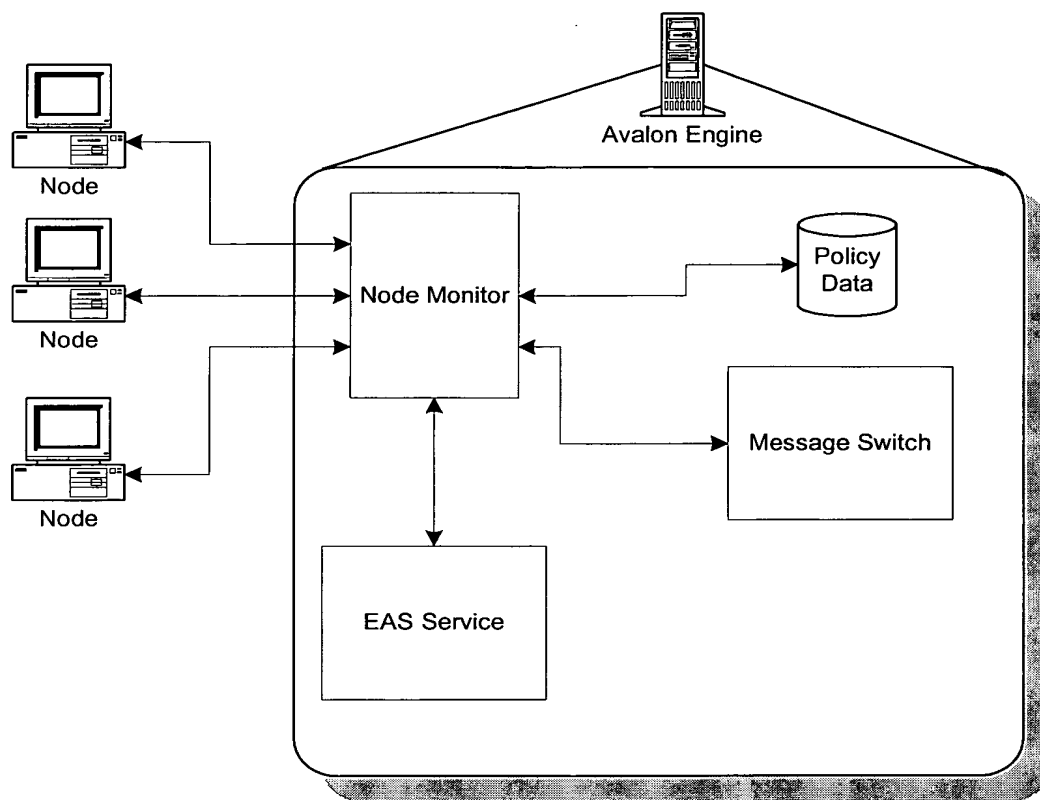


FIG. 36



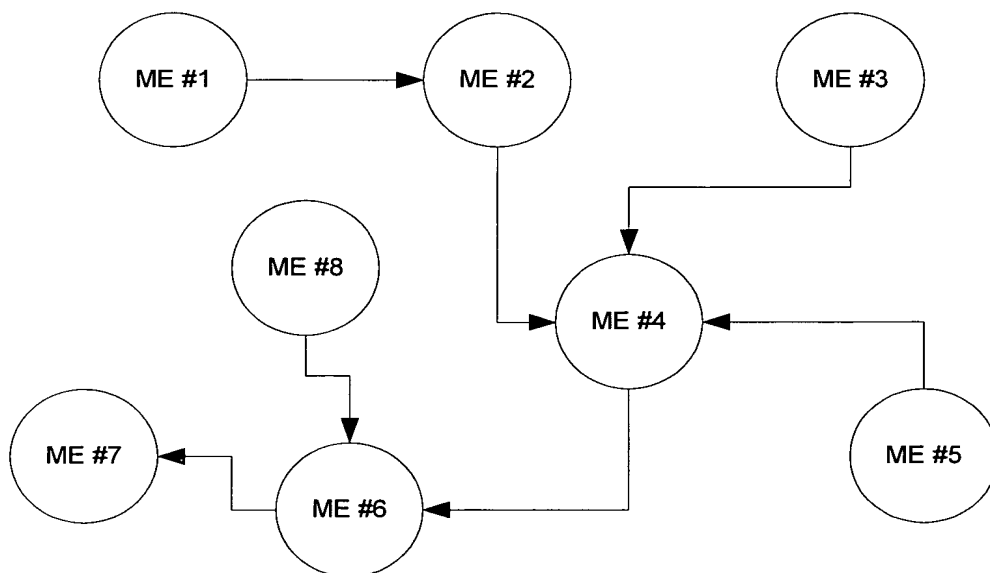
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**FIG. 37**

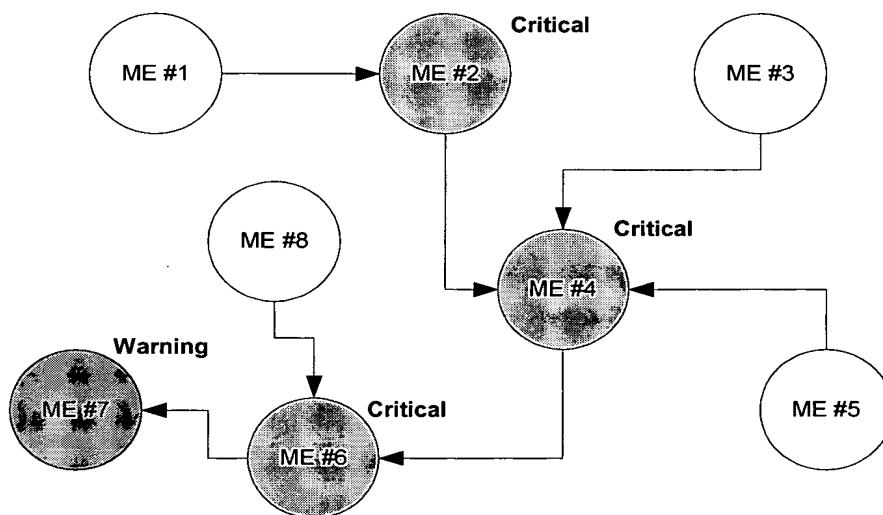


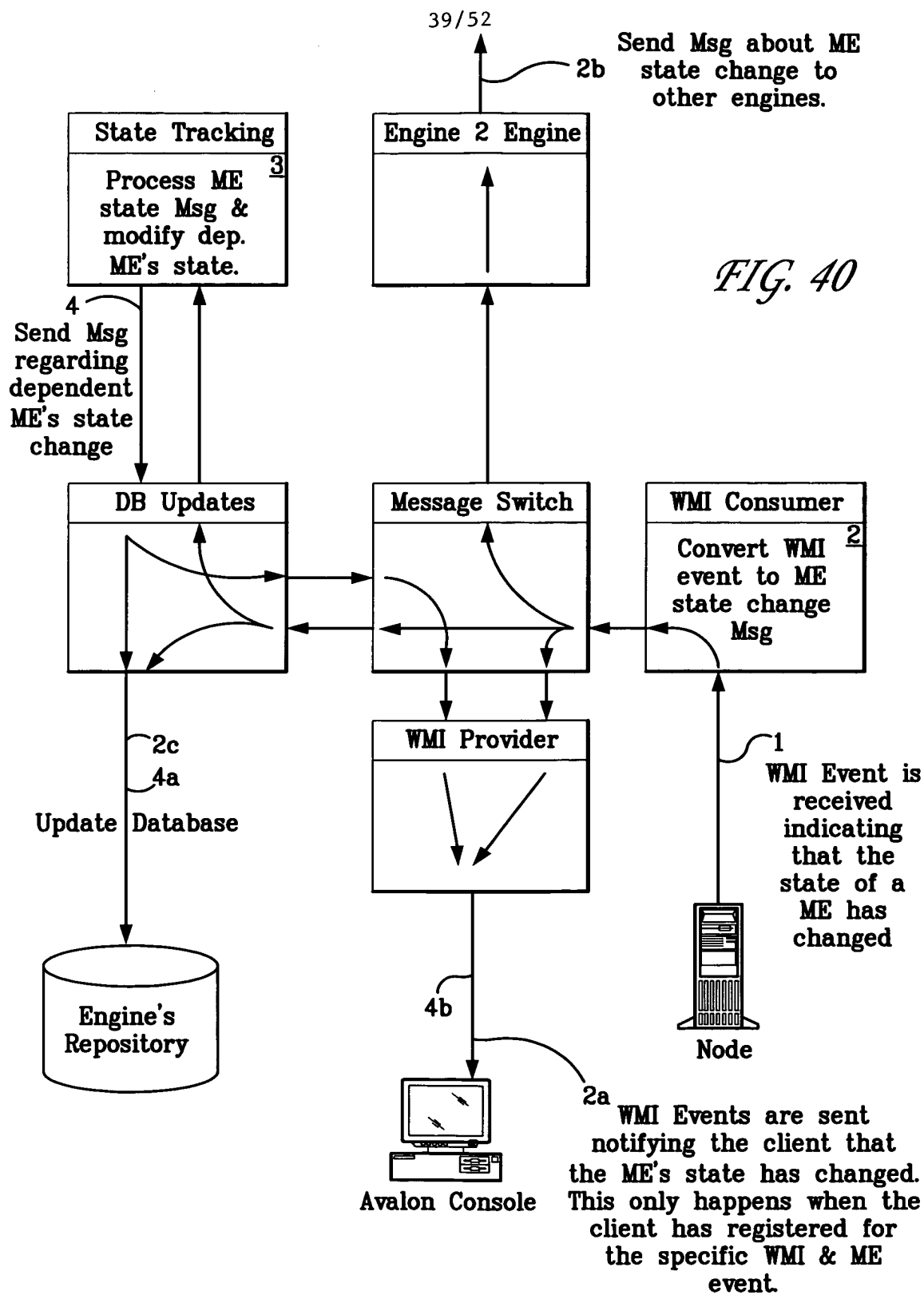
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**FIG. 38**



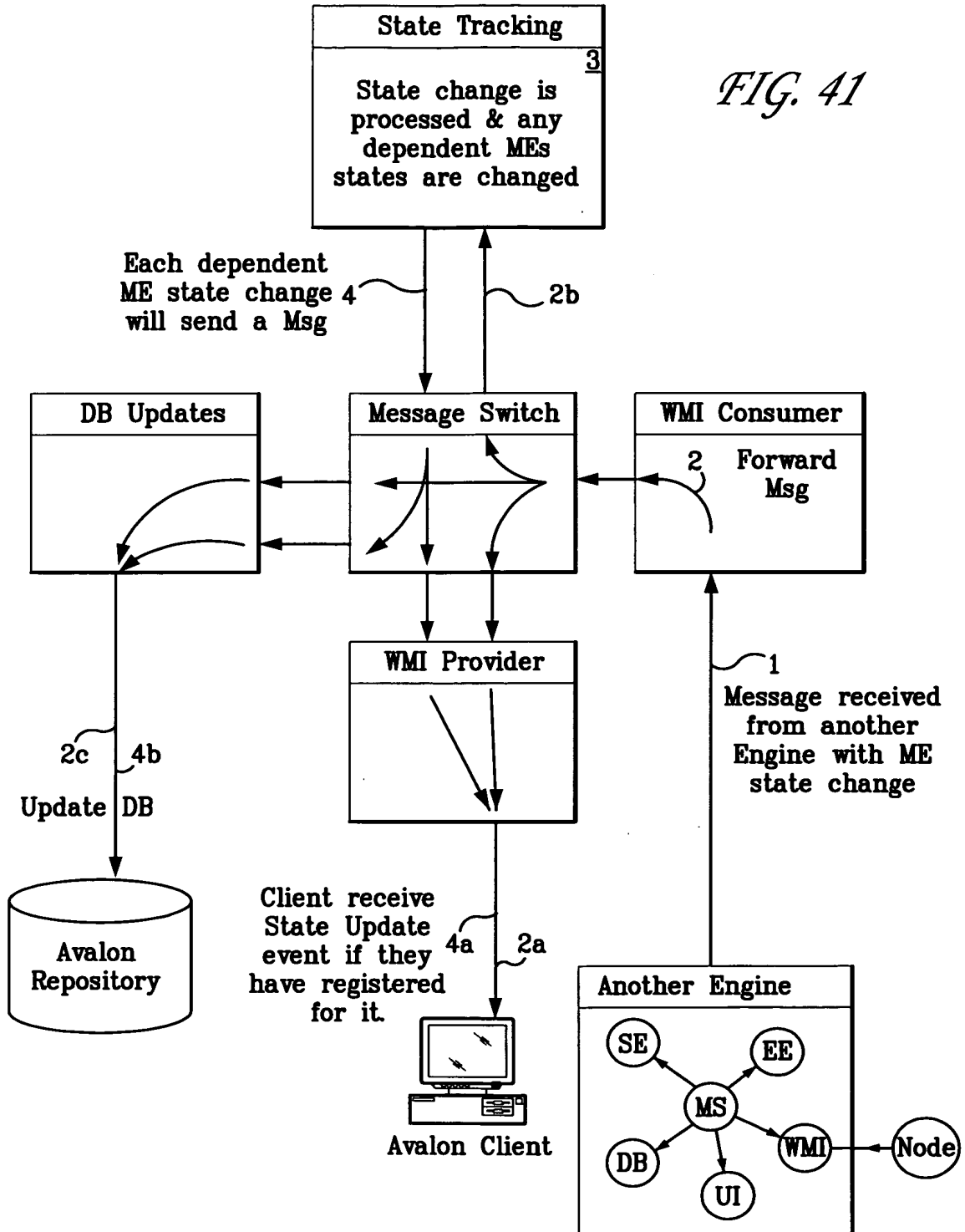
**FIG. 39**





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FIG. 41





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FIG. 42

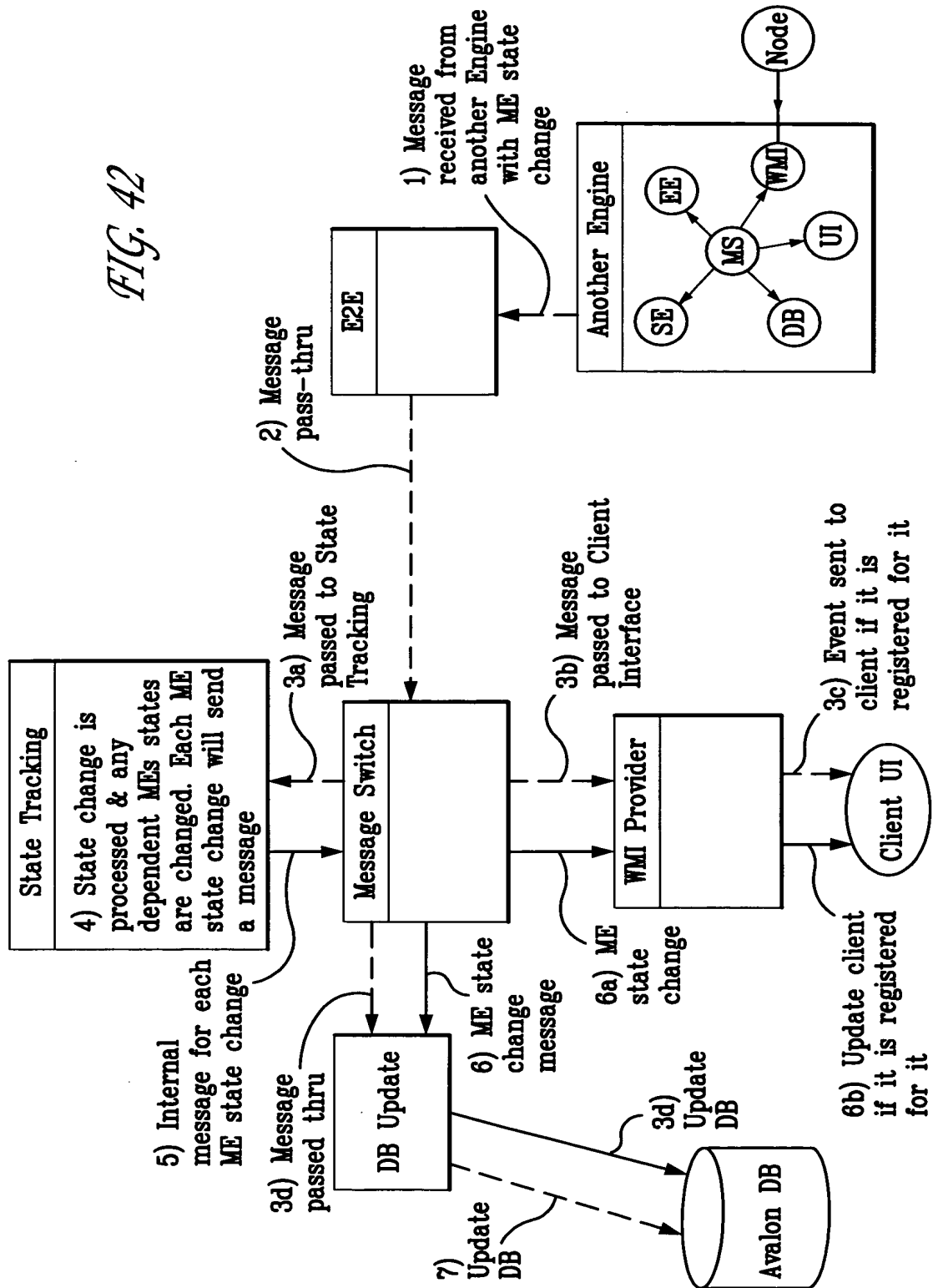


FIG. 43A

FIG. 43

Avalon Master Message List		Object ID	Properties	Description	Node Monitor	DB Rep	State Tracking	EMM	ELM	MEAM	E2E
Msg #											
1	ME GUID	state (short) ENG_GUID(GID) - The engine GID	ME has been added ME has been deleted ME has been updated ME has been activated ME has been de-activated ME has changed state Engine has started Engine has stopped Engine has been deleted Engine has been evicted	Sub Sub Sub Sub, Send Sub Sub	Send	Sub	Sub	Sub	Sub	Sub	Sub
2	ME GUID										
3	ME GUID										
4	ME GUID										
5	ME GUID										
6	ME GUID										
7	Engine GID	DNS_NAME(string) - Engine DNS name ENG_GUID(GID) - The engine GID	Request replication to start Replication started Replication stopped Monitoring policy has been updated (this includes determination policy as well)	Sub	Send	Sub	Sub	Sub	Sub	Sub	Sub
8	Engine GID										
9	Engine GID										
10	Engine GID										
11	ME GUID		Replication initialization of an engine								
12											
13											
14	ME GUID										
15	Engine GID										

FIG. 43A  
FIG. 43B  
FIG. 43C

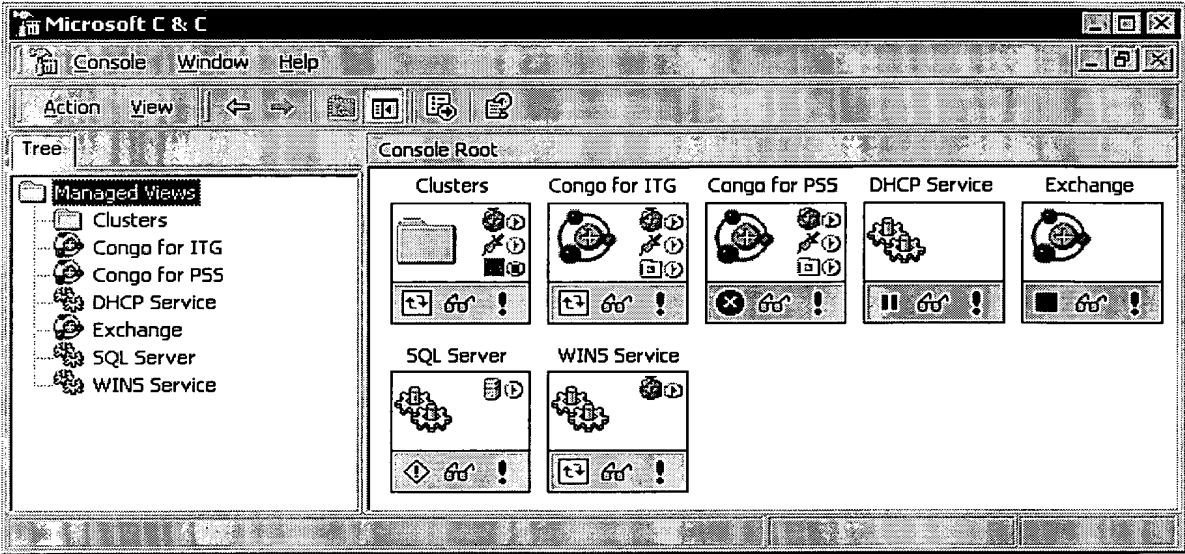
FIG. 43B

16	Engine GID		Replication initialization has completed	Sub					
17	ME GID	engine (GID)	Node has been assigned to engine (property)						
18	ME GID	engine (GID)	Node is being processed by backup engine (property)	Sub, Send					
19	ME GID	engine (GID)	Node is being processed by the primary engine (property)	Sub, Send					
20	Engine GID	Same as 10	Engine has failed	Sub		Sub	Send	Sub	
21	Engine GID	Same as 10	Engine has recovered	Sub		Sub	Send	Sub	
22	Engine GID		Start Engine						
23	Engine GID		Stop Engine	Sub			Sub		
24	Engine GID	ENG_GUID(GID) - The target engine GID COMP_ID(string) - any unique identifier ELECT_TYPE(long) - Site or Subsite ROLE_TYPE(long) - Master or Backup Same as 24	Manager is promoted to master role				Sub	Sub, Send	Sub
25	Engine GID		Manager is demoted from master role				Sub	Sub, Send	Sub

FIG. 43C

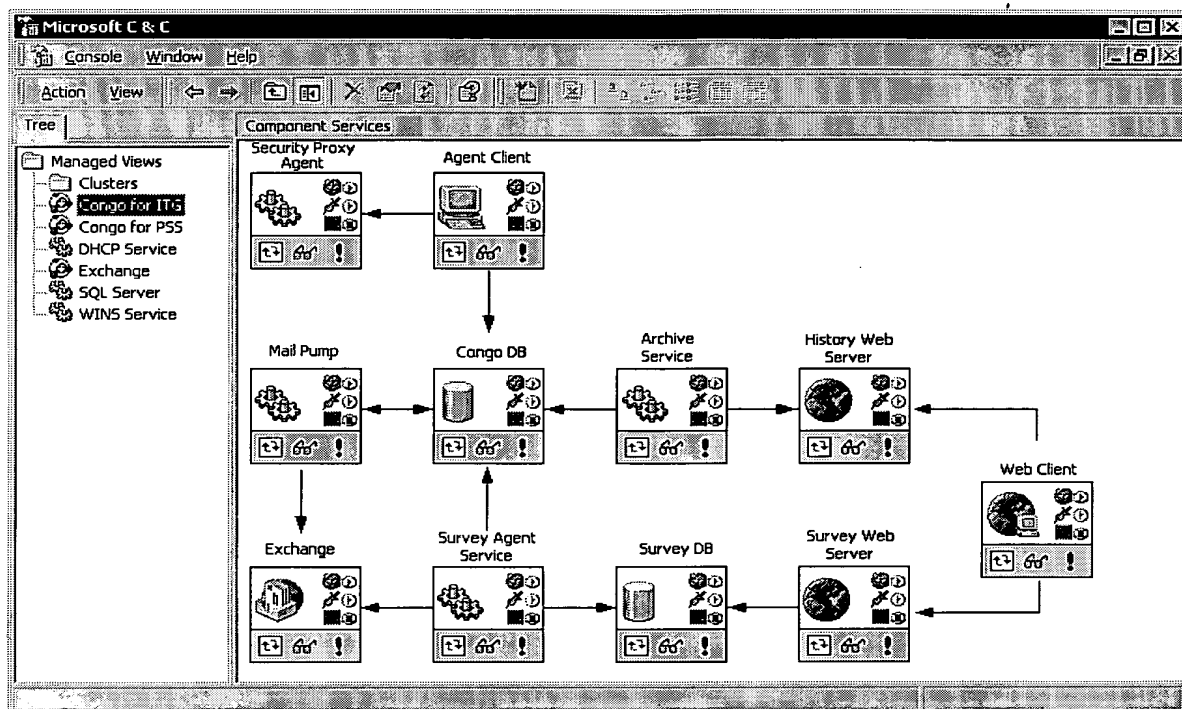
26	Engine CID	Same as 24	ELM Subscription		Send		Send	
27	Engine CID	Same as 24	ELM Acknowledge promotion		Send		Sub, Send	Send
28	Engine CID	COMP_ID(string) - The components unique identifier ELEC_GUID(CID) - Random GUID ELECT_TYPE(long) - Site or Subsite ROLE_TYPE(long) - Master or Backup	ELM Election data. ELM internal use only.		Send		Sub, Send Sub, Send	
29	Engine CID	Same as 24	ELM Acknowledge demotion		Send		Sub, Send	Send

FIG. 44



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*FIG. 45*



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*FIG. 46*

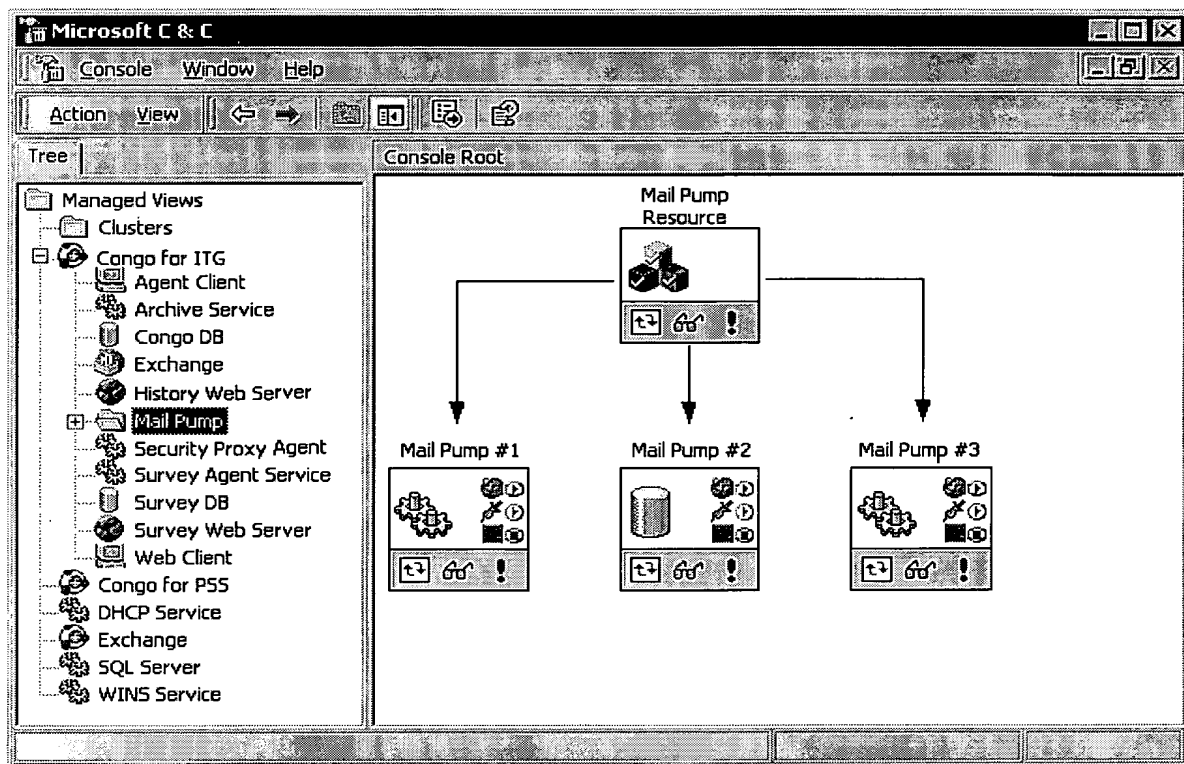


FIG. 47

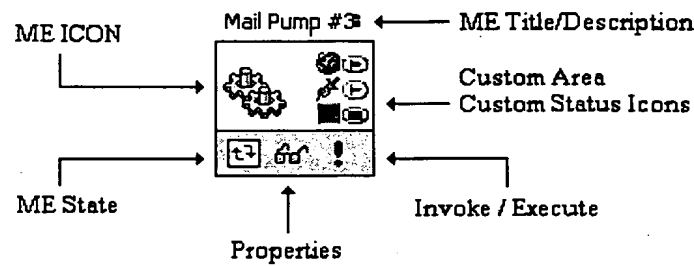


FIG. 48

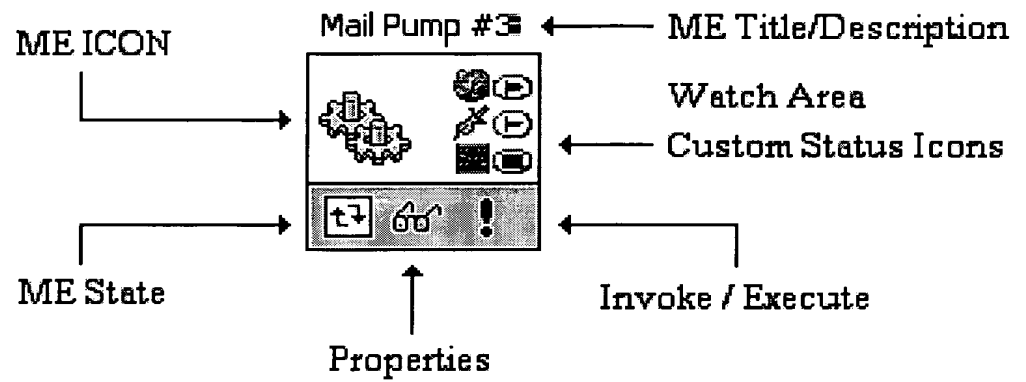
Icon	Description
	Disabled
	Running
	Warning
	Critical
	No Information

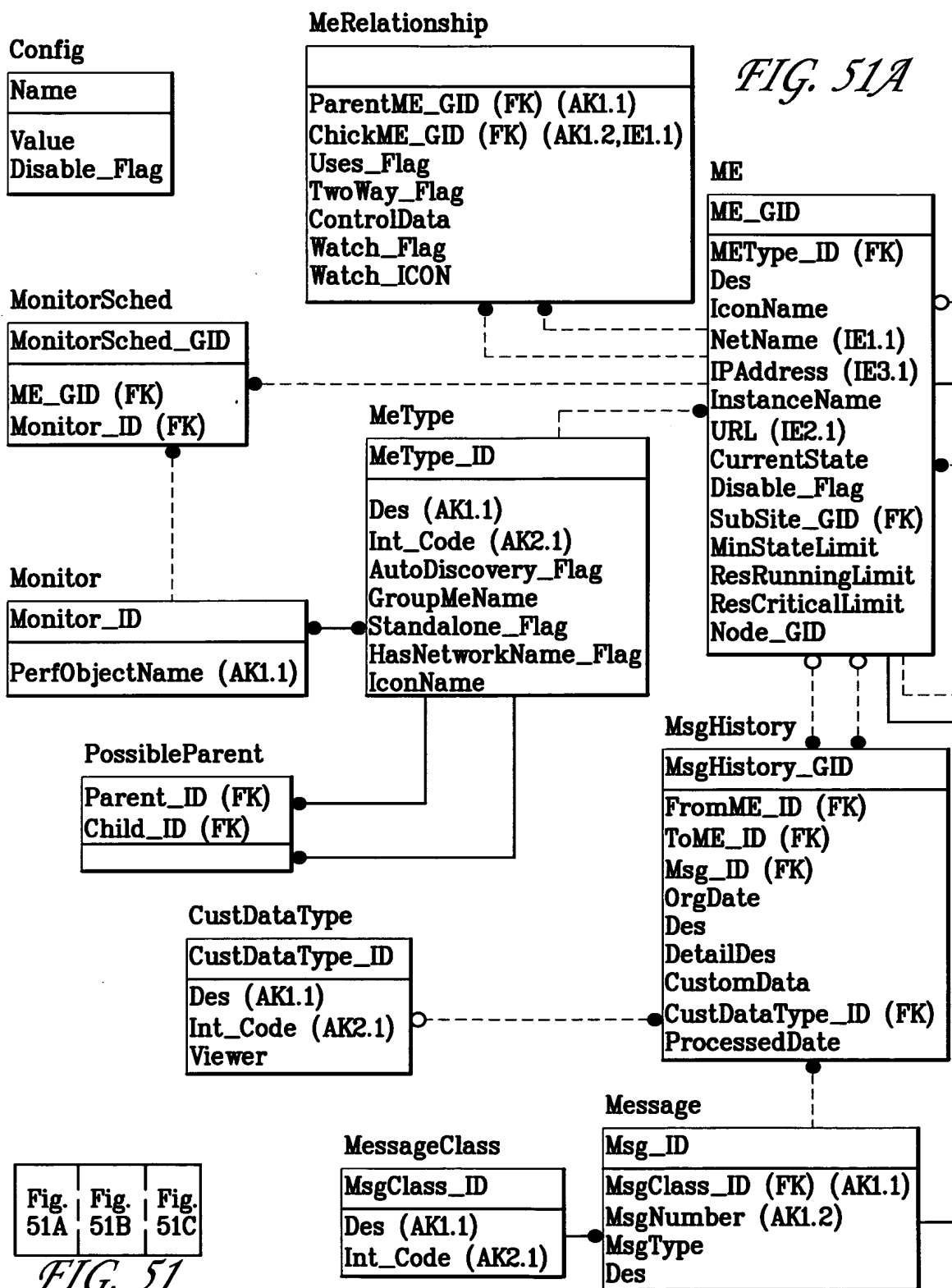
FIG. 49

Icon	Description
	Display information allow configuration to be altered.
	Invoke WMI methods, scripts, jobs, or commands.

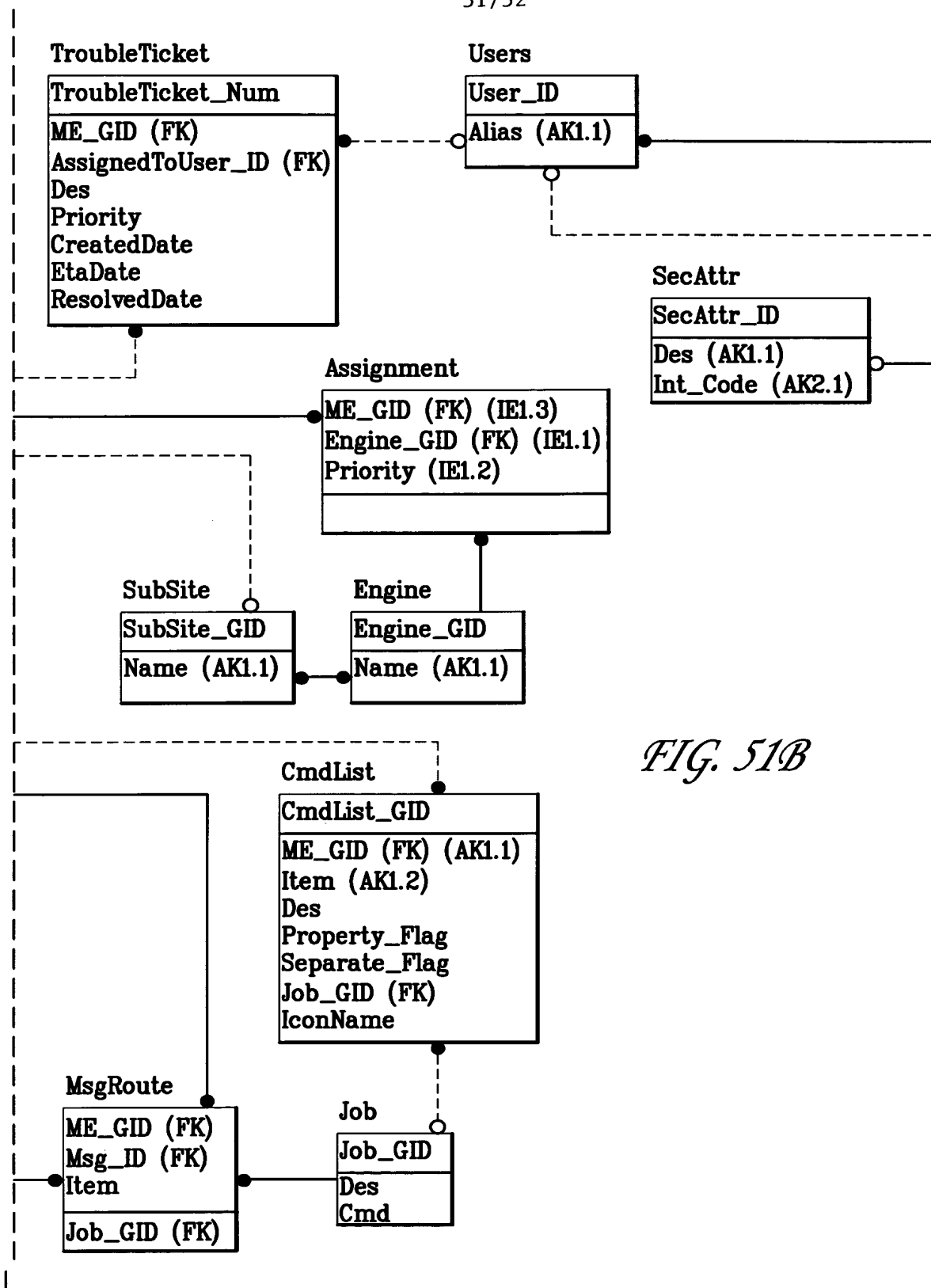


**FIG. 50**





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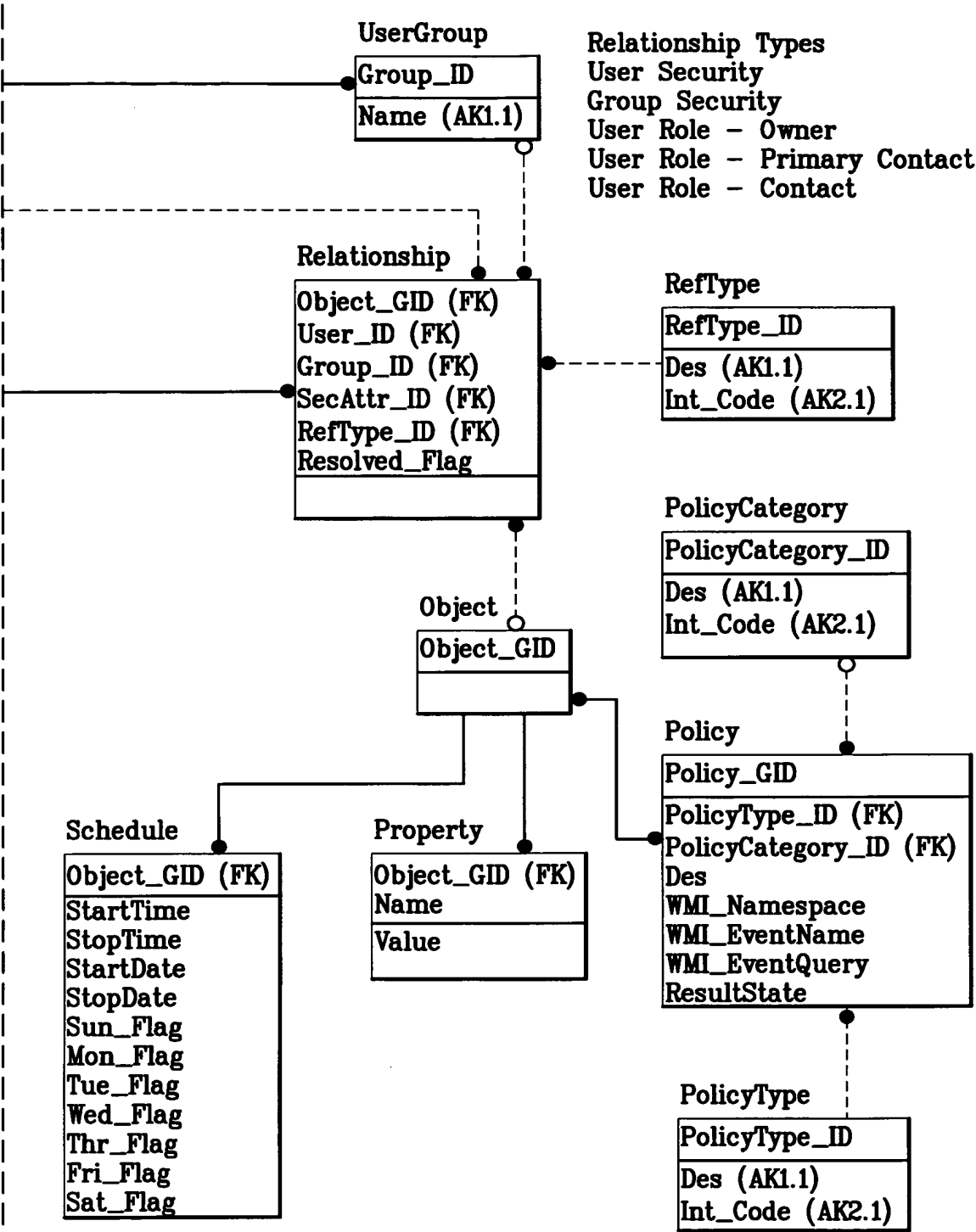


FIG. 51C